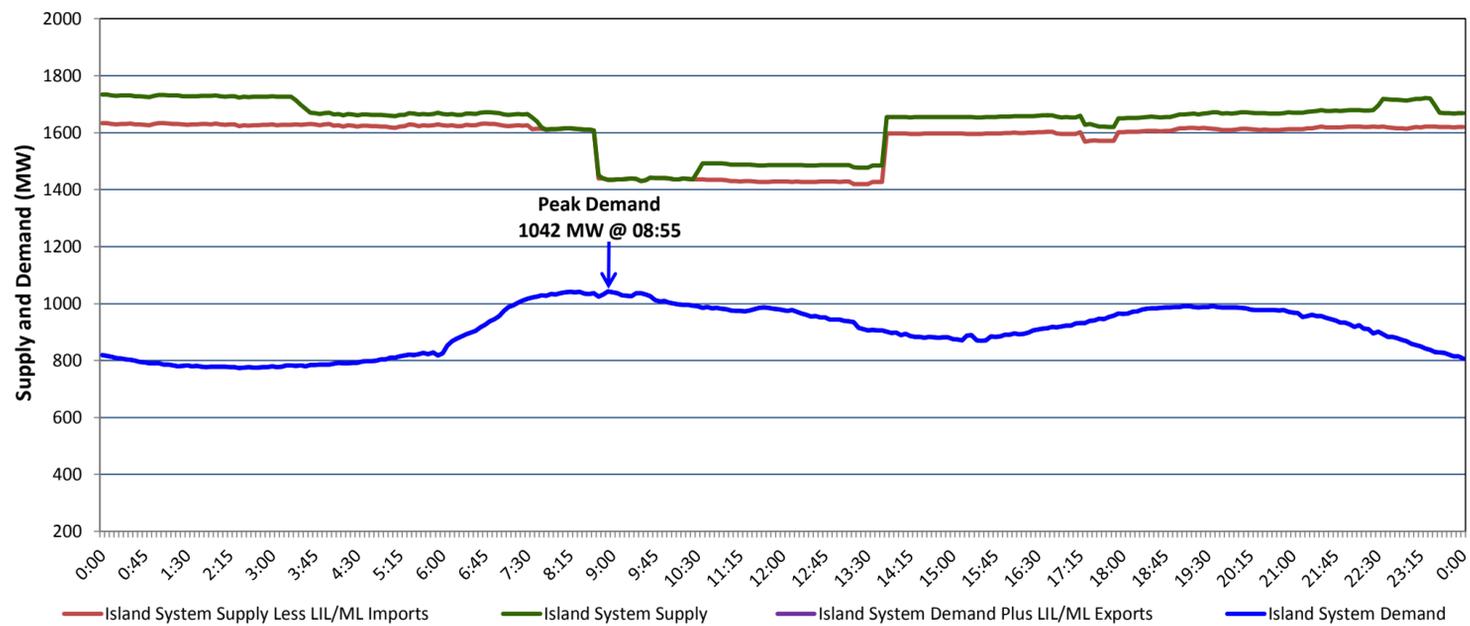


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, October 31, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, October 30, 2019**



Supply Notes For October 30, 2019

- 1,2
- A As of 1150 hours, August 18, 2019, Hinds Lake Unit unavailable due to planned outage (75 MW).
 - B As of 0801 hours, September 29, 2019, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
 - C As of 0830 hours, October 04, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
 - D As of 1300 hours, October 14, 2019, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
 - E As of 1305 hours, October 24, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
 - F As of 2107 hours, October 25, 2019, Bay d'Espoir Unit 3 available 70 MW (76.5 MW).
 - G As of 0643 hours, October 26, 2019, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).
 - H As of 2045 hours, October 29, 2019, Holyrood Unit 1 available at 150 MW (170 MW).
 - I At 0844 hours, October 30, 2019, Holyrood Unit 2 unavailable (170 MW).
 - J At 1347 hours, October 30, 2019, Holyrood Unit 2 available (170 MW).

**Section 2
Island Interconnected Supply and Demand**

Thu, Oct 31, 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	1,725 MW	Thursday, October 31, 2019	6	7	1,030	1,030
NLH Island Generation: ⁴	1,360 MW	Friday, November 01, 2019	12	15	905	905
NLH Island Power Purchases: ⁶	80 MW	Saturday, November 02, 2019	10	6	990	990
Other Island Generation:	190 MW	Sunday, November 03, 2019	2	7	1,030	1,030
ML/LIL Imports:	95 MW	Monday, November 04, 2019	6	5	1,050	1,050
Current St. John's Temperature & Windchill: 5 °C	N/A °C	Tuesday, November 05, 2019	3	3	1,075	1,075
7-Day Island Peak Demand Forecast:	1,075 MW	Wednesday, November 06, 2019	4	5	1,075	1,075

Supply Notes For October 31, 2019

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- 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, Oct 30, 2019	Actual Island Peak Demand ⁸	08:55	1,042 MW
Thu, Oct 31, 2019	Forecast Island Peak Demand		1,030 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).