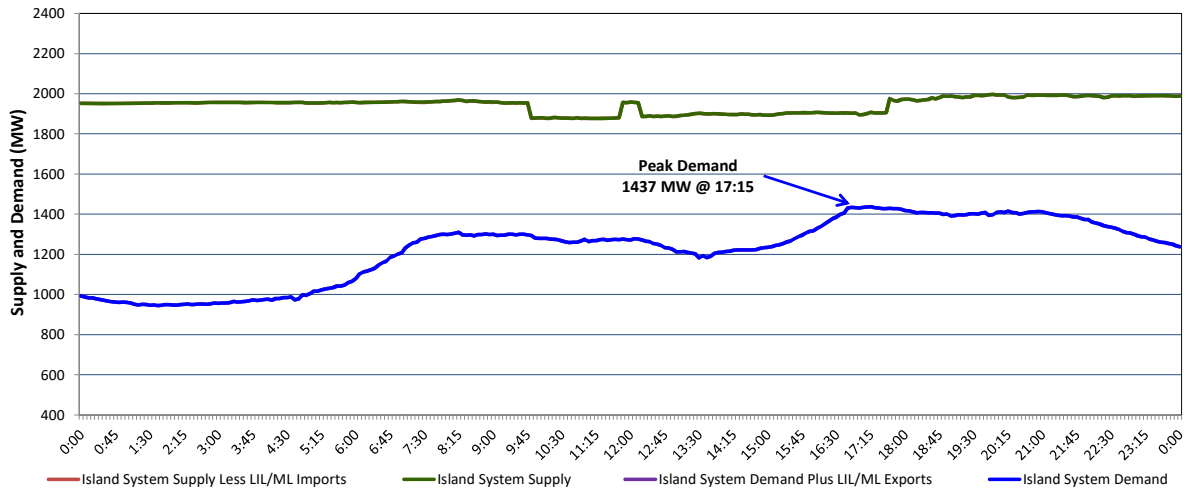


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, December 13, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Thursday, December 12, 2019**



Supply Notes For December 12, 2019

- A As of 0932 hours, November 23, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
- B As of 1600 hours, November 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
- C At 0947 hours, December 12, 2019, Bay d'Espoir Unit 1 unavailable (76.5 MW).
- D At 1147 hours, December 12, 2019, Bay d'Espoir Unit 1 available (76.5 MW).
- E At 1207 hours, December 12, 2019, Cat Arm Unit 1 unavailable (67 MW).
- F At 1737 hours, December 12, 2019, Cat Arm Unit 1 available (67 MW).

**Section 2
Island Interconnected Supply and Demand**

Fri, Dec 13, 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	2,000	MW	Friday, December 13, 2019	-6	-8	1,565	1,459
NLH Island Generation: ⁴	1,665	MW	Saturday, December 14, 2019	-1	-2	1,415	1,311
NLH Island Power Purchases: ⁶	120	MW	Sunday, December 15, 2019	12	0	1,180	1,078
Other Island Generation:	215	MW	Monday, December 16, 2019	1	-3	1,465	1,360
ML/LIL Imports:	0	MW	Tuesday, December 17, 2019	-2	-3	1,530	1,424
Current St. John's Temperature & Windchill:	-10	-20 °C	Wednesday, December 18, 2019	-1	-4	1,320	1,217
7-Day Island Peak Demand Forecast:	1,565	MW	Thursday, December 19, 2019	-2	-3	1,265	1,162

Supply Notes For December 13, 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, Dec 12, 2019	Actual Island Peak Demand ⁸	17:15	1,437 MW
Fri, Dec 13, 2019	Forecast Island Peak Demand		1,565 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).