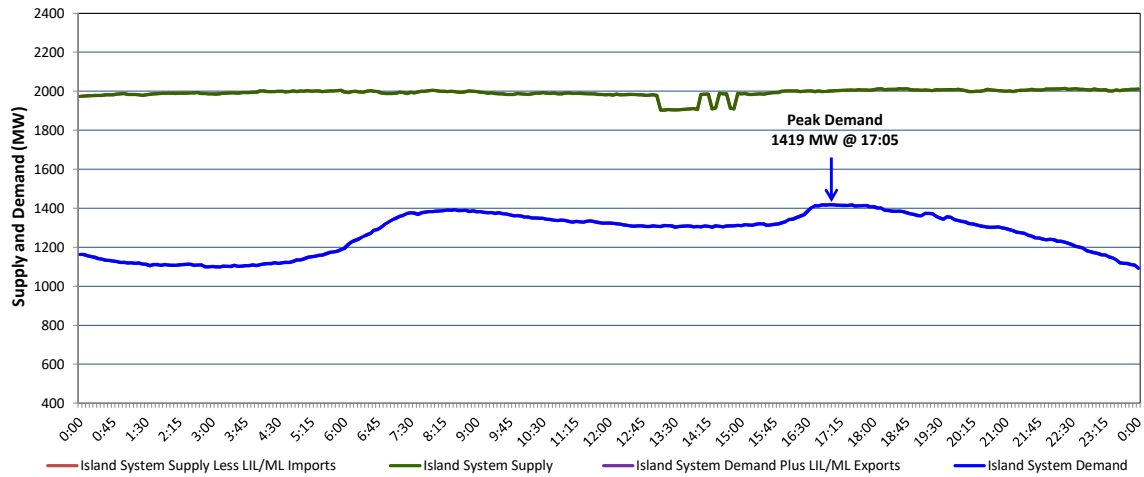


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, December 23, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Friday, December 20, 2019**



Supply Notes For December 20, 2019

- 1,2
- A As of 1719 hours, December 14, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
 - B At 1309 hours, December 20, 2019, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).
 - C At 1402 hours, December 20, 2019, Bay d'Espoir Unit 3 available (76.5 MW).
 - D At 1420 hours, December 20, 2019, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
 - E At 1429 hours, December 20, 2019, Bay d'Espoir Unit 2 available (76.5 MW).
 - F At 1445 hours, December 20, 2019, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).
 - G At 1450 hours, December 20, 2019, Bay d'Espoir Unit 1 available (76.5 MW).

**Section 2
Island Interconnected Supply and Demand**

Sat, Dec 21, 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	2,060	MW	Saturday, December 21, 2019	0	-2	1,390	1,286
NLH Island Generation: ⁴	1,670	MW	Sunday, December 22, 2019	-6	-7	1,490	1,385
NLH Island Power Purchases: ⁶	155	MW	Monday, December 23, 2019	-8	-4	1,405	1,301
Other Island Generation:	235	MW	Tuesday, December 24, 2019	-6	-1	1,420	1,396
ML/LIL Imports:	-	MW	Wednesday, December 25, 2019	-1	-4	1,350	1,326
Current St. John's Temperature & Windchill:	-1	-8 °C	Thursday, December 26, 2019	-5	-1	1,345	1,321
7-Day Island Peak Demand Forecast:	1,490	MW	Friday, December 27, 2019	-1	-1	1,390	1,366

Supply Notes For December 21, 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**

Fri, Dec 20, 2019	Actual Island Peak Demand ⁸	17:05	1,419 MW
Sat, Dec 21, 2019	Forecast Island Peak Demand		1,390 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).