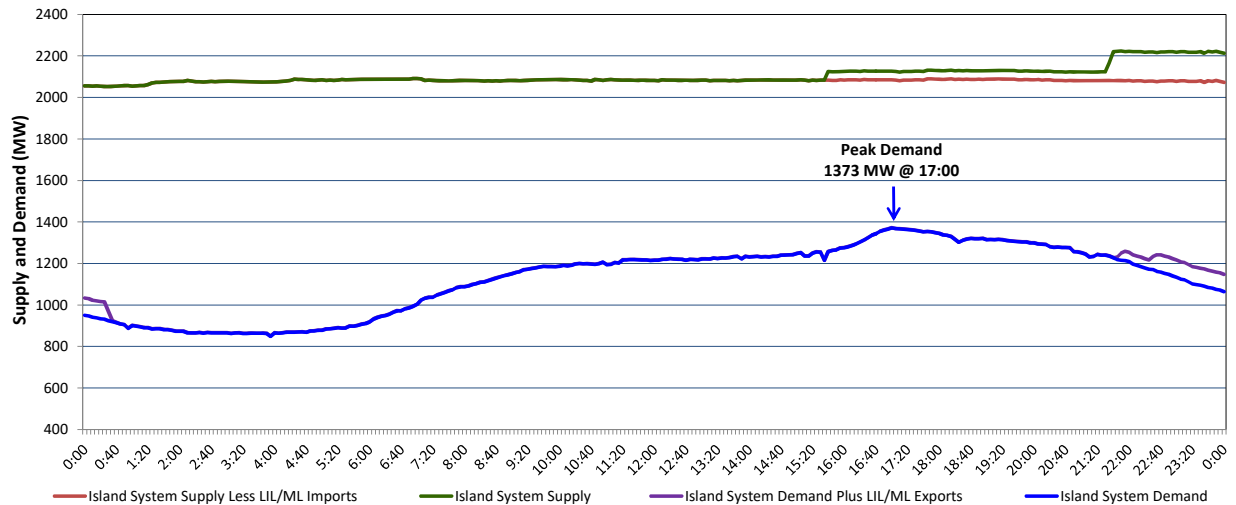


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, December 31, 2020**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, December 30, 2020**



Supply Notes For December 30, 2020

^{1,2}

A As of 1903 hours, December 18, 2020, Hawkes Bay Diesel Plant available at 2.5 MW (5 MW).

**Section 2
Island Interconnected Supply and Demand**

Thu, Dec 31, 2020	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	Thursday, December 31, 2020	-5	2	1,340	1,237
NLH Island Generation: ⁴	1,690	MW	Friday, January 1, 2021	-1	-5	1,445	1,340
NLH Island Power Purchases: ⁶	120	MW	Saturday, January 2, 2021	-6	-4	1,365	1,261
Other Island Generation:	250	MW	Sunday, January 3, 2021	-3	-2	1,355	1,251
ML/LIL Imports:	-	MW	Monday, January 4, 2021	-1	0	1,320	1,217
Current St. John's Temperature & Windchill:	-5	-10	Tuesday, January 5, 2021	1	2	1,280	1,177
7-Day Island Peak Demand Forecast:	1,445	MW	Wednesday, January 6, 2021	5	4	1,205	1,103

Supply Notes For December 31, 2020

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**

Wed, Dec 30, 2020	Actual Island Peak Demand ⁸	17:00	1,373 MW
Thu, Dec 31, 2020	Forecast Island Peak Demand		1,340 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).