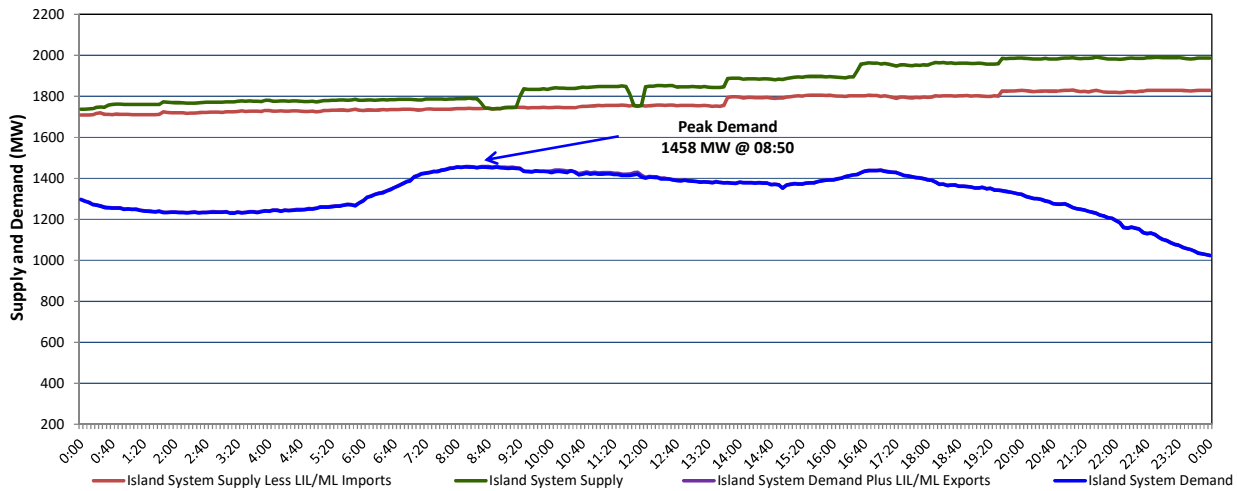


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, December 20, 2021

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Friday, December 17, 2021



Supply Notes For December 17, 2021

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- A As of 0850 hours, July 25, 2021, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
- B As of 0830 hours, November 12, 2021, Holyrood Unit 2 unavailable (170 MW).
- C At 1340 hours, December 17, 2021, Granite Canal available (40 MW).
- D At 1431 hours, December 17, 2021, Hawkes Bay Diesel Plant available 2.5 MW (5 MW).
- E At 1938 hours, December 17, 2021, Hardwoods GT available (50 MW).

Section 2 Island Interconnected Supply and Demand

Sat, Dec 18, 2021	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	1,977	MW	Saturday, December 18, 2021	1	-2	1,540	1,434
NLH Island Generation: ^{4,8}	1,445	MW	Sunday, December 19, 2021	-6	-5	1,635	1,528
NLH Island Power Purchases: ⁶	155	MW	Monday, December 20, 2021	-4	-5	1,515	1,409
Other Island Generation:	220	MW	Tuesday, December 21, 2021	-7	-1	1,460	1,355
ML/LIL Imports:	157	MW	Wednesday, December 22, 2021	-4	-4	1,485	1,380
Current St. John's Temperature & Windchill:	1	N/A	Thursday, December 23, 2021	-4	-4	1,440	1,335
7-Day Island Peak Demand Forecast:	1,635	MW	Friday, December 24, 2021	0	-1	1,410	1,306

Supply Notes For December 18, 2021

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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.
 8. Due to limitations inherent in the design of combustion turbines, the output of combustion turbines may be reduced in the event that ambient temperatures exceed the threshold

Section 3 Island Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak

Fri, Dec 17, 2021	Actual Island Peak Demand ⁹	8:50	1,458 MW
Sat, Dec 18, 2021	Forecast Island Peak Demand		1,540 MW

- Notes: 9. 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).