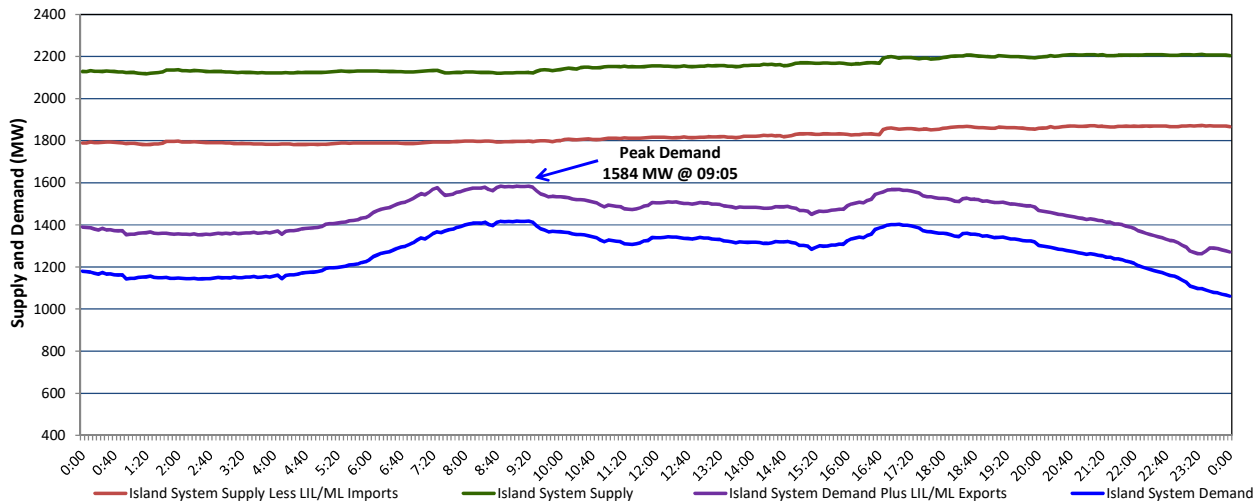


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, December 22, 2021

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Tuesday, December 21, 2021



Supply Notes For December 21, 2021

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- A As of 0830 hours, November 12, 2021, Holyrood Unit 2 unavailable (170 MW).
- B As of 1722 hours, December 20, 2021, Granite Canal unavailable (40 MW).
- C At 1430 hours, December 21, 2021, Hawkes Bay Diesel Plant available at full capacity (5 MW).
- D At 1640 hours, December 21, 2021, Hardwoods GT available at full capacity (50 MW).

Section 2 Island Interconnected Supply and Demand

Wed, Dec 22, 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	2,162 MW	Wednesday, December 22, 2021	-4	-6	1,595	1,489
NLH Island Generation: ^{4,8}	1,485 MW	Thursday, December 23, 2021	1	1	1,385	1,281
NLH Island Power Purchases: ⁶	120 MW	Friday, December 24, 2021	-3	-4	1,515	1,409
Other Island Generation:	220 MW	Saturday, December 25, 2021	-7	-4	1,410	1,306
ML/LIL Imports:	337 MW	Sunday, December 26, 2021	-5	-5	1,390	1,286
Current St. John's Temperature & Windchill:	-4 -11 °C	Monday, December 27, 2021	-3	-1	1,415	1,311
7-Day Island Peak Demand Forecast:	1,595 MW	Tuesday, December 28, 2021	1	0	1,405	1,301

Supply Notes For December 22, 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

Tue, Dec 21, 2021	Actual Island Peak Demand ⁹	9:05	1,584 MW
Wed, Dec 22, 2021	Forecast Island Peak Demand		1,595 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).