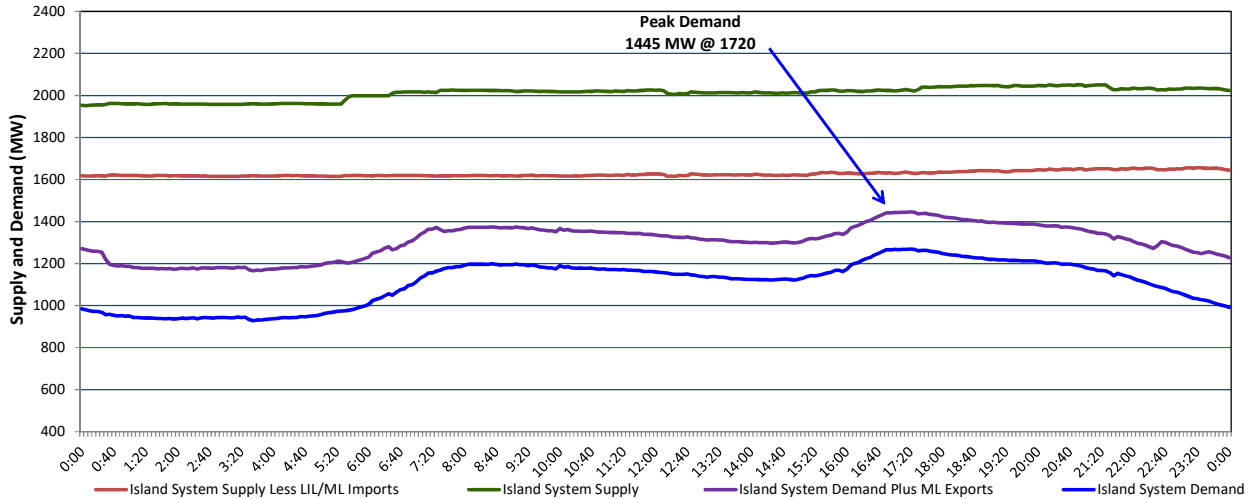


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, December 14, 2023**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, December 13, 2023**



Supply Notes For December 13, 2023

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- A As of 0800 hours, May 21, 2023, Holyrood Unit 2 unavailable due to forced extension to planned outage (170 MW).
- B As of 2059 hours, July 13, 2023, Stephenville Gas Turbine unavailable (50 MW).
- C As of 2220 hours, December 11, 2023, Holyrood Unit 1 unavailable at 140 MW (170 MW).

**Section 2
Island Interconnected Supply and Demand**

Thu, Dec 14, 2023	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	2,102 MW	Thursday, December 14, 2023	0	-5	1,705	1,605
NLH Island Generation: ^{4,8}	1,305 MW	Friday, December 15, 2023	-4	2	1,365	1,269
NLH Island Power Purchases: ⁶	125 MW	Saturday, December 16, 2023	1	-3	1,360	1,264
Other Island Generation:	220 MW	Sunday, December 17, 2023	-5	-1	1,375	1,279
ML/LIL Imports:	452 MW	Monday, December 18, 2023	2	5	1,255	1,160
Current St. John's Temperature & Windchill:	-1 °C -9 °C	Tuesday, December 19, 2023	7	7	1,185	1,091
7-Day Island Peak Demand Forecast:	1,705 MW	Wednesday, December 20, 2023	7	8	1,190	1,096

Supply Notes For December 14, 2023

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- Notes:
- 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.
 - 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.
 - As of 0800 Hours.
 - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
 - Gross output from all Island sources (including Note 4).
 - NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
 - Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.
 - 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**

Wed, Dec 13, 2023	Actual Island Peak Demand ⁹	17:20	1,445 MW
Thu, Dec 14, 2023	Forecast Island Peak Demand		1,705 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).