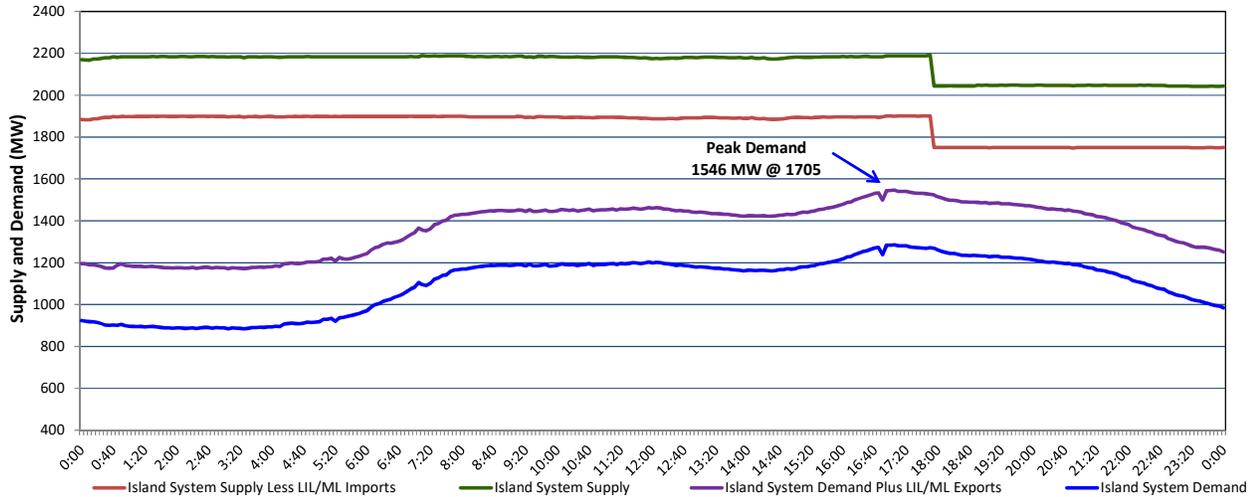


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Friday, December 16, 2022

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Thursday, December 15, 2022



Supply Notes For December 15, 2022

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- A As of 0930 hours, December 08, 2022, Holyrood Unit 1 unavailable due to planned outage 80 MW (170 MW).
 B At 1755 hours, December 15, 2022, Holyrood Unit 3 unavailable (150 MW).

Section 2 Island Interconnected Supply and Demand

Fri, Dec 16, 2022	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	2,059 MW	Friday, December 16, 2022	2	1	1,580	1,482
NLH Island Generation: ^{4,8}	1,375 MW	Saturday, December 17, 2022	1	1	1,270	1,175
NLH Island Power Purchases: ⁵	170 MW	Sunday, December 18, 2022	2	2	1,295	1,200
Other Island Generation:	215 MW	Monday, December 19, 2022	2	2	1,270	1,175
ML/LIL Imports:	299 MW	Tuesday, December 20, 2022	2	1	1,380	1,284
Current St. John's Temperature & Windchill:	2°C	Wednesday, December 21, 2022	1	1	1,320	1,225
7-Day Island Peak Demand Forecast:	1,580 MW	Thursday, December 22, 2022	-2	-2	1,355	1,259

Supply Notes For December 16, 2022

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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 required for full rated output. This threshold is dependent on the design of each turbine.

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

Thu, Dec 15, 2022	Actual Island Peak Demand ⁹	17:05	1,546 MW
Fri, Dec 16, 2022	Forecast Island Peak Demand		1,580 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).