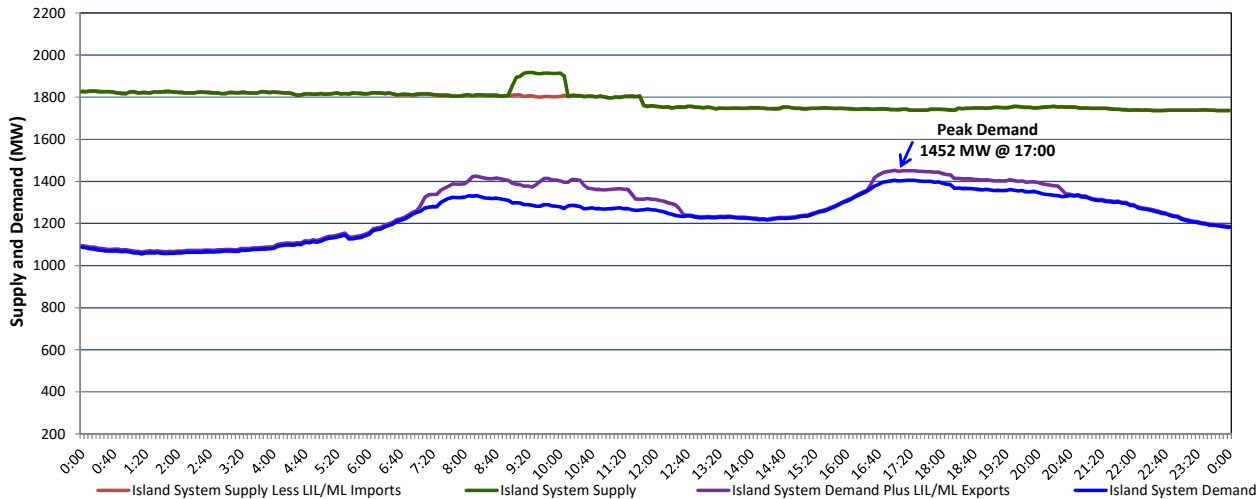


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, December 13, 2021

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Friday, December 10, 2021



Supply Notes For December 10, 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).

Section 2 Island Interconnected Supply and Demand

Sat, Dec 11, 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	1,755	MW	Saturday, December 11, 2021		-6	2	1,320	1,217
NLH Island Generation: ^{4,8}	1,435	MW	Sunday, December 12, 2021		7	7	1,120	1,019
NLH Island Power Purchases: ⁶	105	MW	Monday, December 13, 2021		0	1	1,375	1,271
Other Island Generation:	215	MW	Tuesday, December 14, 2021		1	-1	1,330	1,227
ML/LIL Imports:	0	MW	Wednesday, December 15, 2021		-4	-6	1,460	1,355
Current St. John's Temperature & Windchill:	-5	-9	Thursday, December 16, 2021		-5	-4	1,375	1,271
7-Day Island Peak Demand Forecast:	1,460	MW	Friday, December 17, 2021		2	6	1,195	1,093

Supply Notes For December 11, 2021

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- C** At 0756 hours, December 11, 2021, Holyrood Unit 1 available at 160 MW (170 MW).

- 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

Fri, Dec 10, 2021	Actual Island Peak Demand ⁹	17:00	1,452 MW
Sat, Dec 11, 2021	Forecast Island Peak Demand		1,320 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).