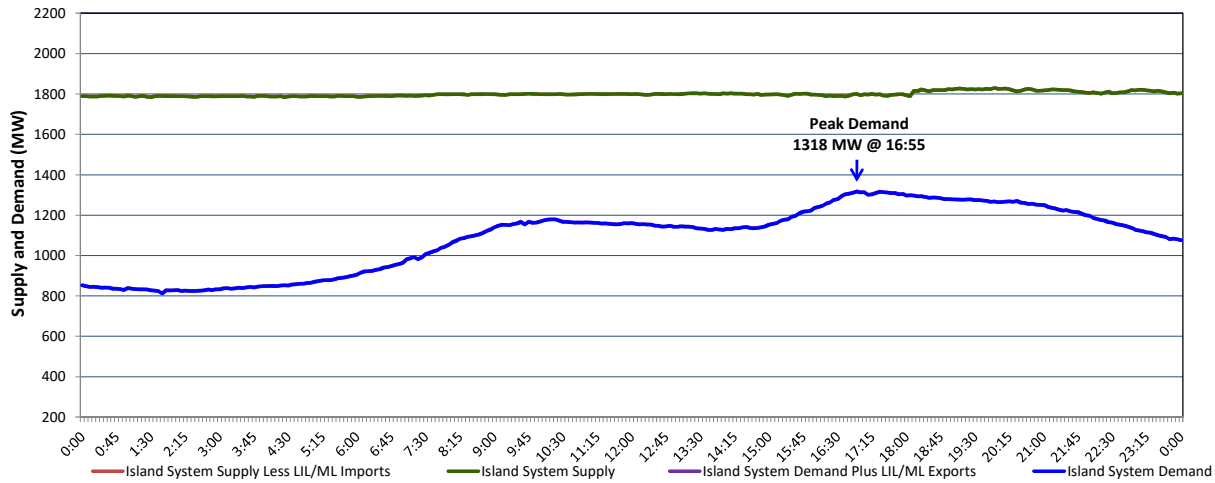


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, December 06, 2021

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Saturday, December 04, 2021



Supply Notes For December 04, 2021 ^{1,2}

- 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 As of 1700 hours, December 03, 2021, Holyrood Unit 1 available at 140 MW (170 MW).
- D At 0219 hours, December 04, 2021, St. Anthony Diesel Plant unavailable (9.7 MW).
- E At 0257 hours, December 04, 2021, St. Anthony Diesel Plant available (9.7 MW).
- F At 1808 hours, December 04, 2021, Holyrood Unit 1 available (170 MW).

Section 2 Island Interconnected Supply and Demand

Sun, Dec 05, 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	1,790 MW	Sunday, December 5, 2021	-3	0	1,225	1,123
NLH Island Generation: ^{4,8}	1,445 MW	Monday, December 6, 2021	-2	-3	1,320	1,217
NLH Island Power Purchases: ⁶	130 MW	Tuesday, December 7, 2021	8	9	1,100	999
Other Island Generation:	215 MW	Wednesday, December 8, 2021	0	0	1,285	1,182
ML/LIL Imports:	- MW	Thursday, December 9, 2021	0	-2	1,385	1,281
Current St. John's Temperature & Windchill:	-4 -7 °C	Friday, December 10, 2021	-7	-6	1,410	1,306
7-Day Island Peak Demand Forecast:	1,410 MW	Saturday, December 11, 2021	-6	-2	1,355	1,251

Supply Notes For December 05, 2021 ³

- 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

Sat, Dec 04, 2021	Actual Island Peak Demand ⁹	16:55	1,318 MW
Sun, Dec 05, 2021	Forecast Island Peak Demand		1,225 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).