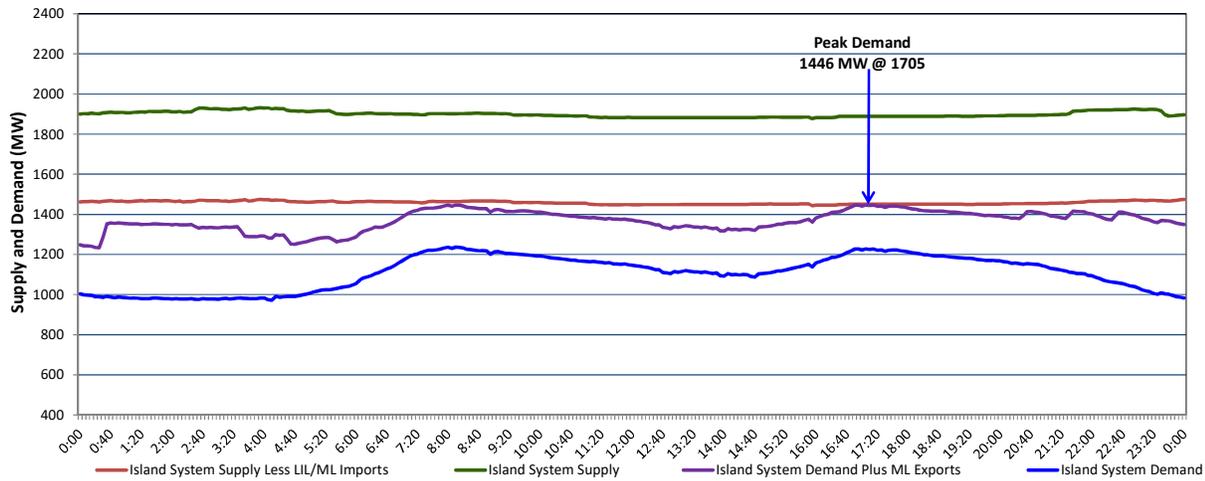


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Friday, November 17, 2023

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Thursday, November 16, 2023



Supply Notes For November 16, 2023

- A As of 0701 hours, March 06, 2023, Upper Salmon Unit unavailable (84 MW).
- B As of 0800 hours, May 21, 2023, Holyrood Unit 2 unavailable due to planned outage (170 MW).
- C As of 2059 hours, July 13, 2023, Stephenville Gas Turbine unavailable (50 MW).
- D As of 0827 hours, October 15, 2023, St. Anthony Diesel Plant available at 7.7 MW (9.7 MW).
- E As of 0035 hours, October 28, 2023, Holyrood Unit 3 available at 50 MW (150 MW).
- F As of 1440 hours, November 14, 2023, Holyrood Unit 1 available at 125 MW (170 MW).
- G As of 0713 hours, November 15, 2023, Hinds Lake Unit unavailable due to planned outage (75 MW).

Section 2 Island Interconnected Supply and Demand

Fri, Nov 17, 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	1,831	MW	Friday, November 17, 2023	1	0	1,435	1,348
NLH Island Generation: ^{4,8}	1,100	MW	Saturday, November 18, 2023	4	9	1,315	1,230
NLH Island Power Purchases: ⁵	85	MW	Sunday, November 19, 2023	11	6	1,325	1,240
Other Island Generation:	215	MW	Monday, November 20, 2023	2	2	1,280	1,195
ML/LIL Imports:	431	MW	Tuesday, November 21, 2023	3	1	1,110	1,027
Current St. John's Temperature & Windchill:	-1 °C	-2 °C	Wednesday, November 22, 2023	0	0	1,210	1,126
7-Day Island Peak Demand Forecast:	1,435	MW	Thursday, November 23, 2023	0	-1	1,180	1,096

Supply Notes For November 17, 2023

- H At 0604 hours, November 17, 2023, Cat Arm Unit 1 unavailable due to planned outage (67 MW).

- 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

Thu, Nov 16, 2023	Actual Island Peak Demand ⁹	17:05	1,446 MW
Fri, Nov 17, 2023	Forecast Island Peak Demand		1,435 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).