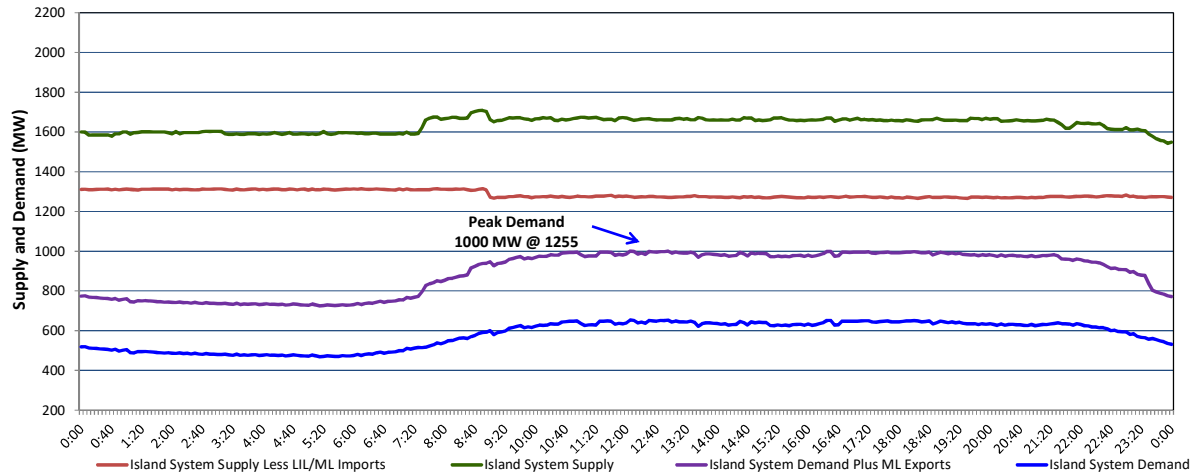


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, July 04, 2023

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Sunday, July 02, 2023



Supply Notes For July 02, 2023

- 1,2
- A As of 0701 hours, March 06, 2023, Upper Salmon Unit unavailable (84 MW).
 - B As of 1600 hours, May 15, 2023, Holyrood Unit 1 available but not operating (170 MW).
 - C As of 0800 hours, May 21, 2023, Holyrood Unit 2 unavailable due to planned outage (170 MW).
 - D As of 1751 hours, May 24, 2023, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
 - E As of 0803 hours, June 28, 2023, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
 - F As of 0903 hours, June 29, 2023, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
 - G As of 0856 hours, July 1, 2023, Holyrood Unit 3 available but not operating (150 MW).
 - H At 0900 hours, July 2, 2023, Granite Canal Unit unavailable (40 MW).

Section 2 Island Interconnected Supply and Demand

Mon, Jul 03, 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	1,654 MW	Monday, July 3, 2023	19	18	1,105	1,105
NLH Island Generation: ^{4,8}	950 MW	Tuesday, July 4, 2023	14	18	1,060	1,060
NLH Island Power Purchases: ⁶	110 MW	Wednesday, July 5, 2023	18	17	755	755
Other Island Generation:	220 MW	Thursday, July 6, 2023	13	11	775	775
ML/LIL Imports:	374 MW	Friday, July 7, 2023	11	12	785	785
Current St. John's Temperature & Windchill:	20 °C	Saturday, July 8, 2023	13	13	750	750
7-Day Island Peak Demand Forecast:	1,105 MW	Sunday, July 9, 2023	17	17	745	745

Supply Notes For July 03, 2023

- 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

Sun, Jul 02, 2023	Actual Island Peak Demand ⁹	12:55	1,000 MW
Mon, Jul 03, 2023	Forecast Island Peak Demand		1,105 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).