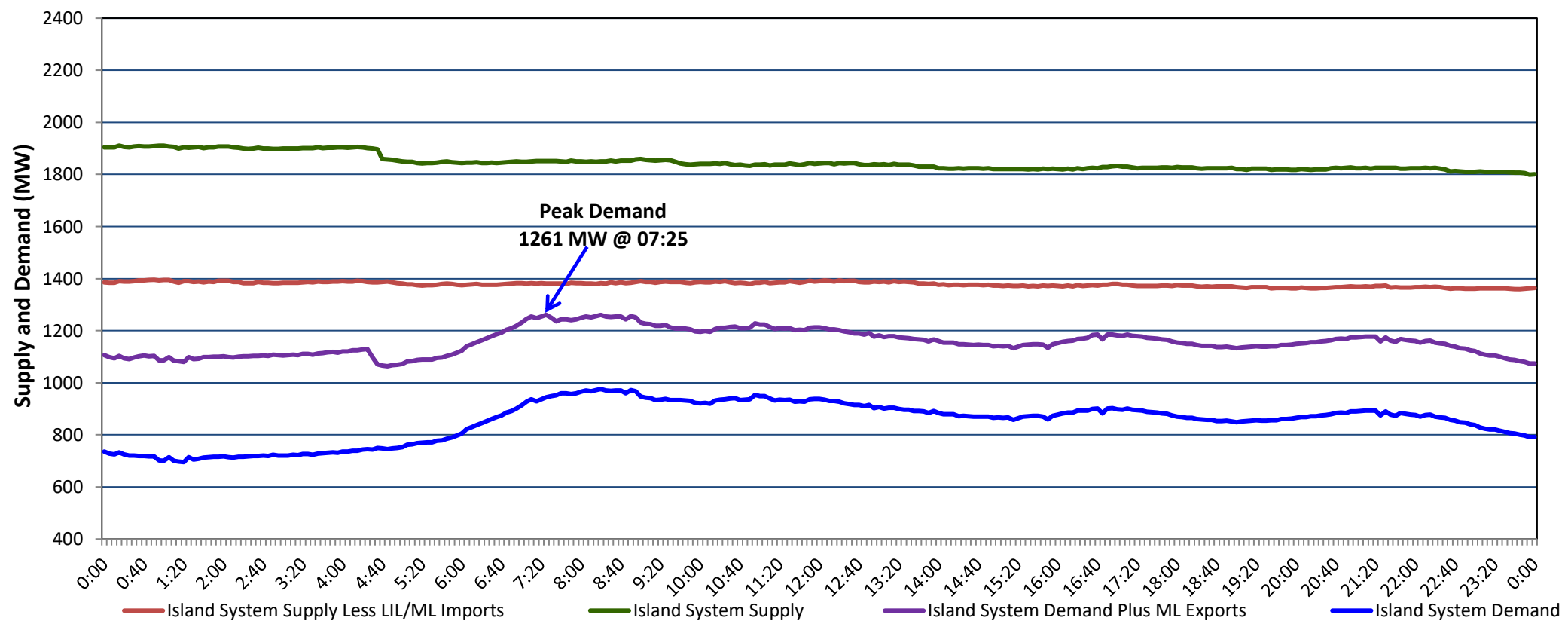


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, May 24, 2023

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Tuesday, May 23, 2023



Supply Notes For May 23, 2023

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- A As of 0701 hours, March 06, 2023, Upper Salmon Unit unavailable due to planned outage (84 MW).
 B As of 2005 hours, April 02, 2023, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).
 C As of 0006 hours, April 09, 2023, Holyrood Unit 3 unavailable due to planned outage (150 MW).
 D As of 1600 hours, May 15, 2023, Holyrood Unit 1 available but not operating (170 MW).
 E As of 0800 hours, May 21, 2023, Holyrood Unit 2 unavailable due to planned outage (170 MW).

Section 2 Island Interconnected Supply and Demand

Wed, May 24, 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	1,816	MW		Wednesday, May 24, 2023	3	4	1,310	1,310
NLH Island Generation: ^{4,8}	1,040	MW		Thursday, May 25, 2023	5	4	935	935
NLH Island Power Purchases: ⁶	95	MW		Friday, May 26, 2023	4	9	975	975
Other Island Generation:	220	MW		Saturday, May 27, 2023	7	7	890	890
ML/LIL Imports:	461	MW		Sunday, May 28, 2023	5	2	865	865
Current St. John's Temperature & Windchill:	1 °C	N/A	°C	Monday, May 29, 2023	5	3	930	930
7-Day Island Peak Demand Forecast:	1,310	MW		Tuesday, May 30, 2023	5	4	920	920

Supply Notes For May 24, 2023

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- 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

Tue, May 23, 2023	Actual Island Peak Demand ⁹	7:25	1,261 MW
Wed, May 24, 2023	Forecast Island Peak Demand		1,310 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).