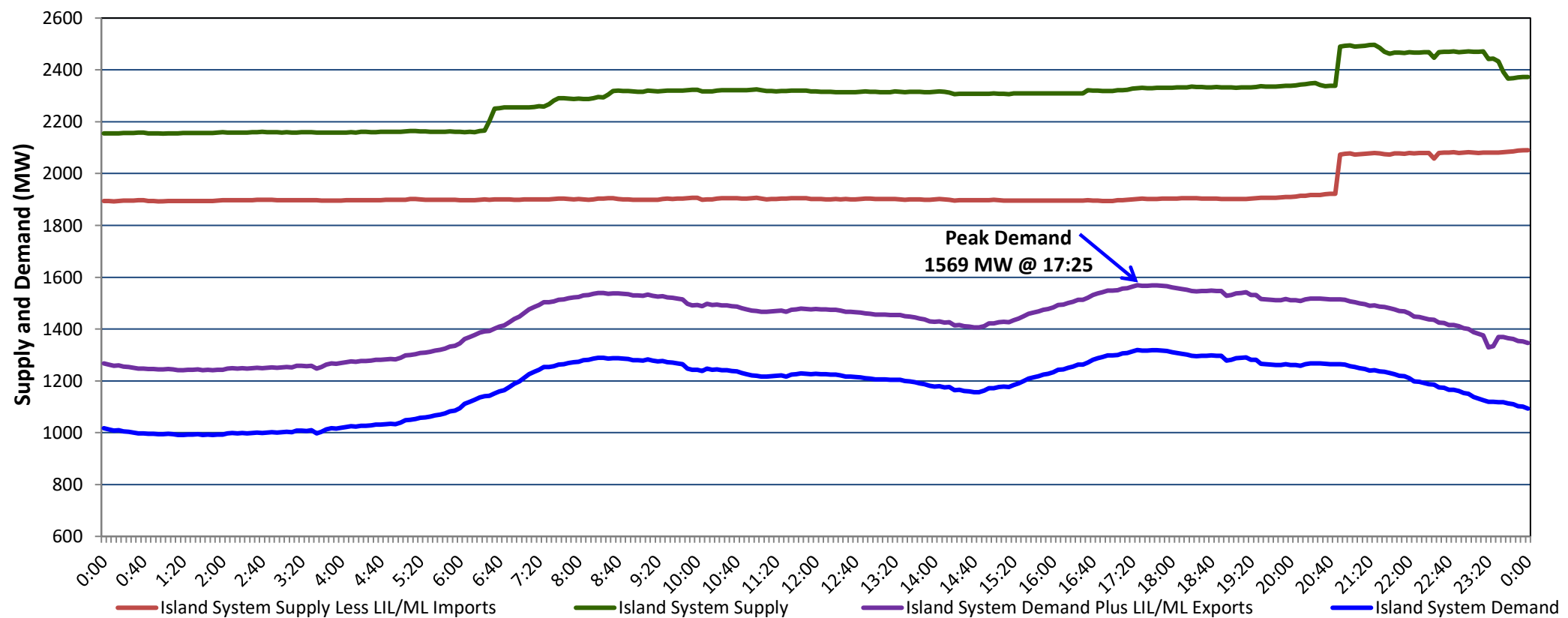


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, February 01, 2023

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Tuesday, January 31, 2023



Supply Notes For January 31, 2023

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A As of 0935 hours, January 30, 2023, St. Anthony Diesel Plant available at 8.7 MW (9.7 MW).

B At 2048 hours, January 31, 2023, Holyrood Unit 3 returned to service (150 MW).

Section 2 Island Interconnected Supply and Demand

Wed, Feb 01, 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	2,144	MW	Wednesday, February 1, 2023	-7	-12	1,775	1,674
NLH Island Generation: ^{4,8}	1,520	MW	Thursday, February 2, 2023	-10	-11	1,570	1,472
NLH Island Power Purchases: ⁶	115	MW	Friday, February 3, 2023	-4	0	1,410	1,314
Other Island Generation:	230	MW	Saturday, February 4, 2023	-9	-14	1,740	1,640
ML/LIL Imports:	279	MW	Sunday, February 5, 2023	-9	-8	1,480	1,383
Current St. John's Temperature & Windchill:	-8 °C	-16 °C	Monday, February 6, 2023	1	0	1,390	1,294
7-Day Island Peak Demand Forecast:	1,775	MW	Tuesday, February 7, 2023	-2	-8	1,480	1,383

Supply Notes For February 01, 2023

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C At 0605 hours, February 01, 2023, Holyrood Unit 1 unavailable (170 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

Tue, Jan 31, 2023	Actual Island Peak Demand ⁹	17:25	1,569 MW
Wed, Feb 01, 2023	Forecast Island Peak Demand		1,775 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).