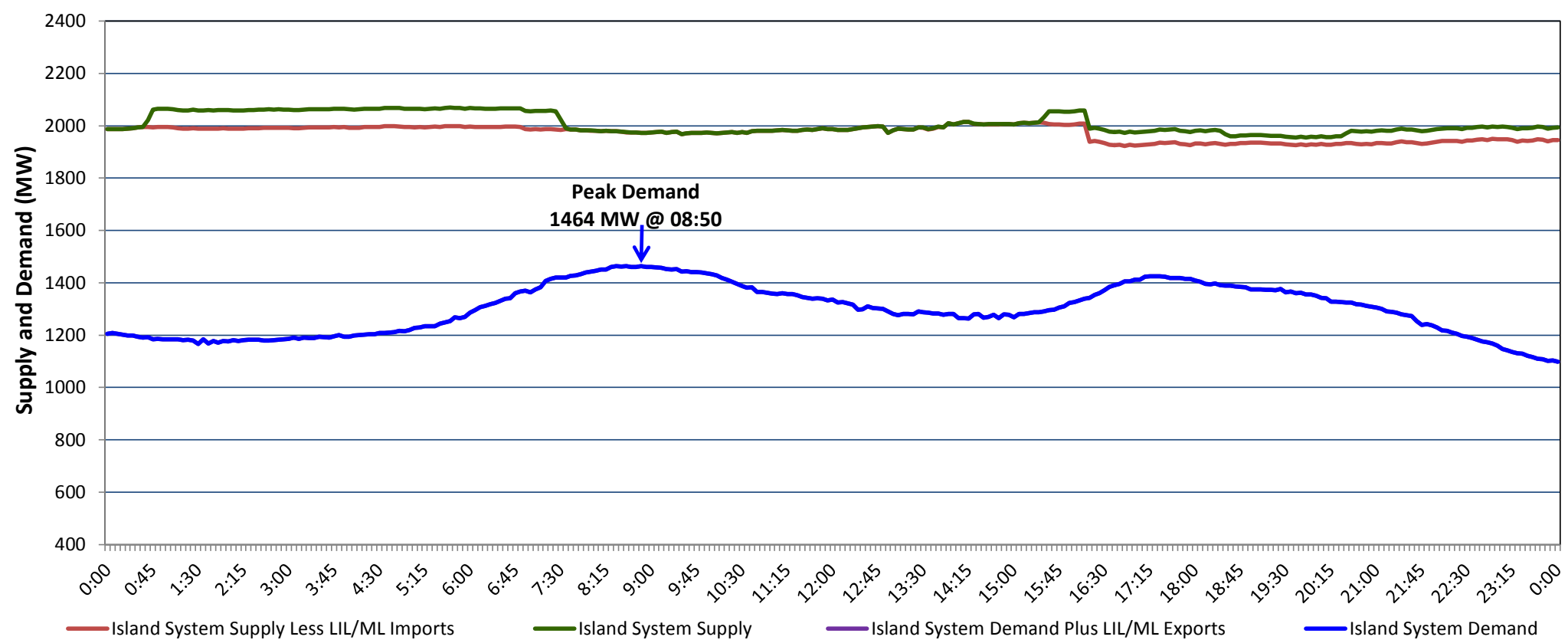


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, January 24, 2020**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Thursday, January 23, 2020**



Supply Notes For January 23, 2020

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- A As of 0940 hours, January 22, 2020, Stephenville Gas Turbine unavailable 25 MW (50 MW).
- B At 0700 hours, January 23, 2020, Paradise River Unit unavailable (8 MW).
- C At 1257 hours, January 23, 2020, Paradise River Unit available (8 MW).
- D At 1400 hours, January 23, 2020, St. Anthony Diesel Plant available at full capacity (9.7 MW).
- E At 1615 hours, January 23, 2020, Hinds Lake Unit unavailable (75 MW).

**Section 2
Island Interconnected Supply and Demand**

Fri, Jan 24, 2020	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	1,915 MW	Friday, January 24, 2020	-2	-7	1,405	1,301
NLH Island Generation: ⁴	1,560 MW	Saturday, January 25, 2020	-10	-6	1,405	1,301
NLH Island Power Purchases: ⁶	150 MW	Sunday, January 26, 2020	-7	-3	1,350	1,246
Other Island Generation:	205 MW	Monday, January 27, 2020	0	2	1,360	1,256
ML/LIL Imports:	- MW	Tuesday, January 28, 2020	-1	-2	1,345	1,241
Current St. John's Temperature & Windchill:	-1 °C	Wednesday, January 29, 2020	-1	-4	1,445	1,340
7-Day Island Peak Demand Forecast:	1,595 MW	Thursday, January 30, 2020	-10	-9	1,595	1,489

Supply Notes For January 24, 2020

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- F At 0727 hours, January 24, 2020, Paradise River Unit unavailable (8 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.

**Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak**

Thu, Jan 23, 2020	Actual Island Peak Demand ⁸	08:50	1,464 MW
Fri, Jan 24, 2020	Forecast Island Peak Demand		1,405 MW

- Notes: 8. 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).