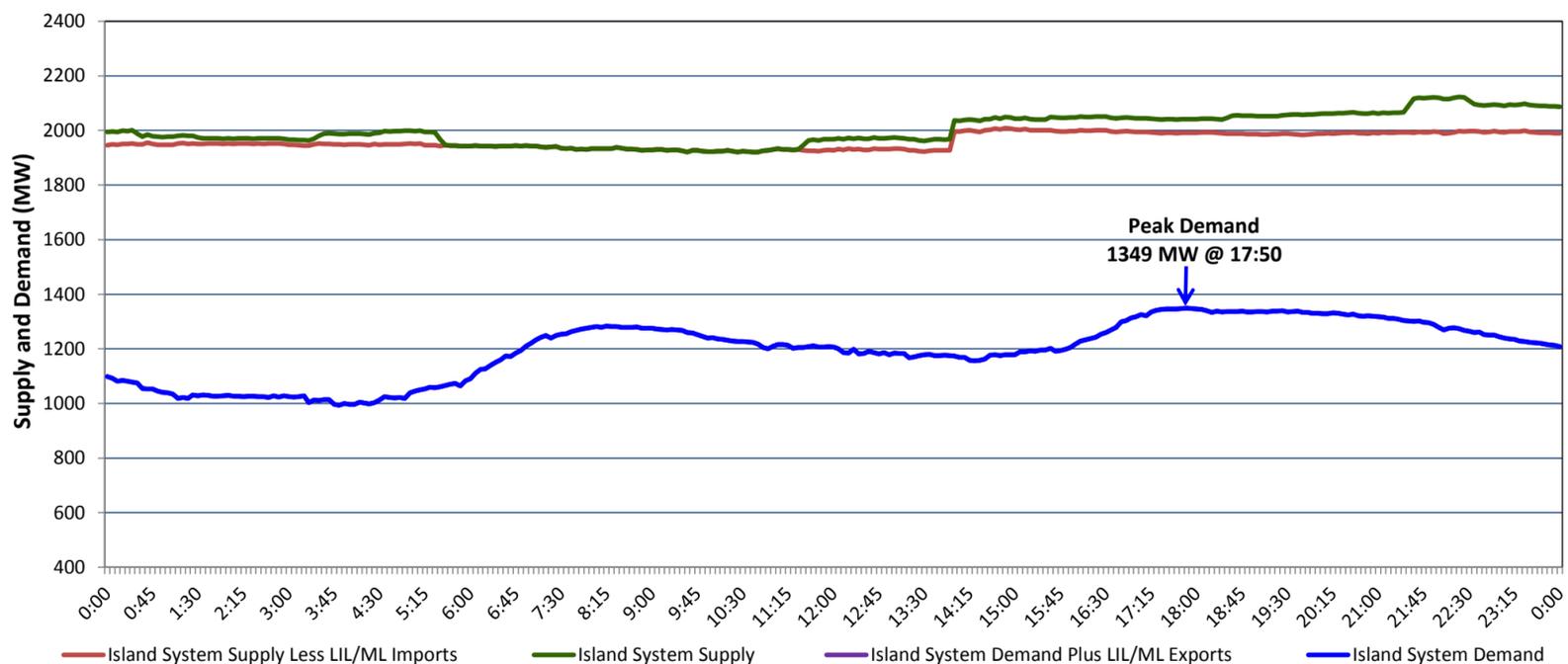


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, January 27, 2020**

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



Supply Notes For January 24, 2020

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- A As of 0940 hours, January 22, 2020, Stephenville Gas Turbine unavailable 25 MW (50 MW).
- B At 0727 hours, January 24, 2020, Paradise River Unit unavailable (8 MW).
- C At 1358 hours, January 24, 2020, Hinds Lake Unit available (75 MW).
- D At 1448 hours, January 24, 2020, Paradise River Unit available (8 MW).

**Section 2
Island Interconnected Supply and Demand**

Sat, Jan 25, 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	2,083	MW	Saturday, January 25, 2020	-10	-7	1,470	1,365
NLH Island Generation: ⁴	1,645	MW	Sunday, January 26, 2020	-7	-4	1,365	1,261
NLH Island Power Purchases: ⁶	115	MW	Monday, January 27, 2020	0	2	1,345	1,241
Other Island Generation:	205	MW	Tuesday, January 28, 2020	-2	-1	1,350	1,246
ML/LIL Imports:	118	MW	Wednesday, January 29, 2020	-1	-4	1,475	1,370
Current St. John's Temperature & Windchill: -13 °C	-21	°C	Thursday, January 30, 2020	-5	-6	1,480	1,375
7-Day Island Peak Demand Forecast:	1,580	MW	Friday, January 31, 2020	-10	-12	1,580	1,474

Supply Notes For January 25, 2020

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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.

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

Fri, Jan 24, 2020	Actual Island Peak Demand ⁸	17:50	1,349 MW
Sat, Jan 25, 2020	Forecast Island Peak Demand		1,470 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).