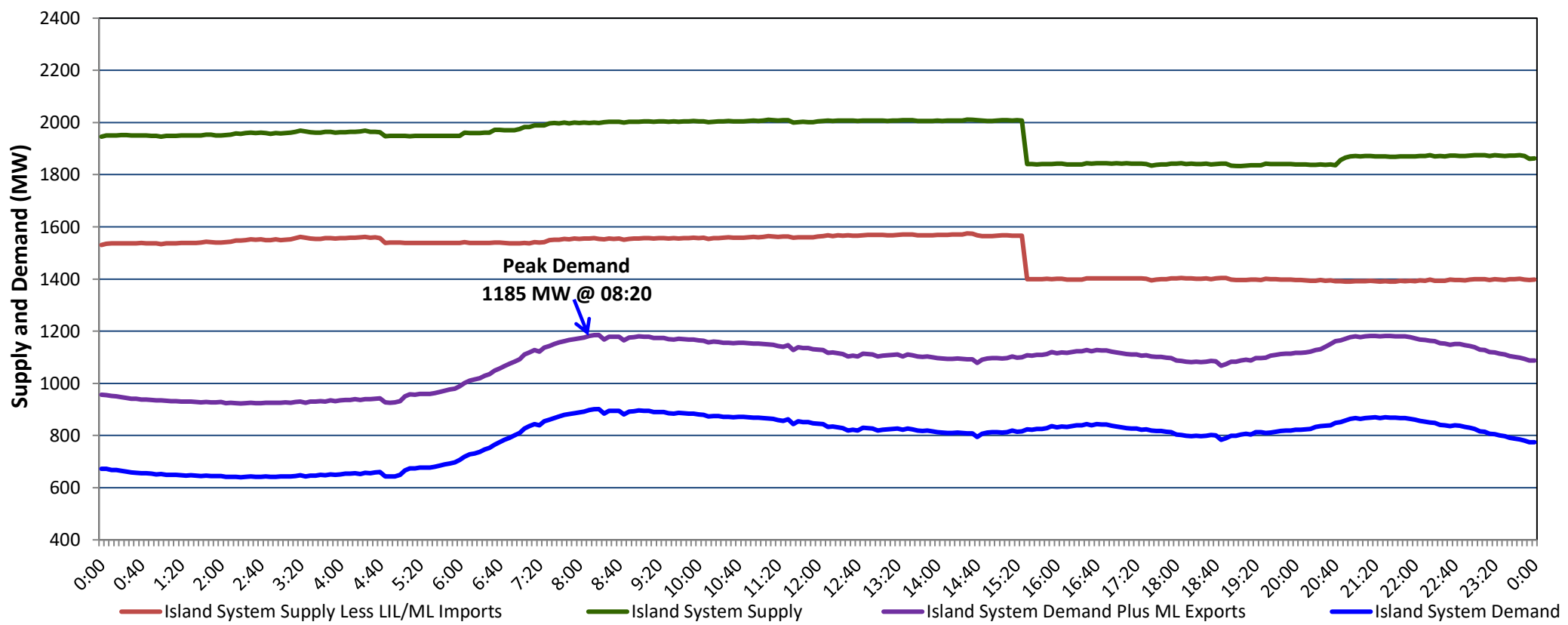


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, May 19, 2023**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Thursday, May 18, 2023**



Supply Notes For May 18, 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 **At 1531 hours, May 18, 2023, Holyrood Unit 2 available but not operating (170 MW).**

**Section 2
Island Interconnected Supply and Demand**

Fri, May 19, 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	1,845	MW	Friday, May 19, 2023	6	7	1,260	1,260
NLH Island Generation: ^{4,8}	1,040	MW	Saturday, May 20, 2023	8	9	875	875
NLH Island Power Purchases: ⁶	110	MW	Sunday, May 21, 2023	10	10	830	830
Other Island Generation:	225	MW	Monday, May 22, 2023	12	5	870	870
ML/LIL Imports:	470	MW	Tuesday, May 23, 2023	4	4	920	920
Current St. John's Temperature & Windchill:	4 °C	N/A °C	Wednesday, May 24, 2023	8	11	880	880
7-Day Island Peak Demand Forecast:	1,260	MW	Thursday, May 25, 2023	5	3	920	920

Supply Notes For May 19, 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**

Thu, May 18, 2023	Actual Island Peak Demand ⁹	8:20	1,185 MW
Fri, May 19, 2023	Forecast Island Peak Demand		1,260 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).