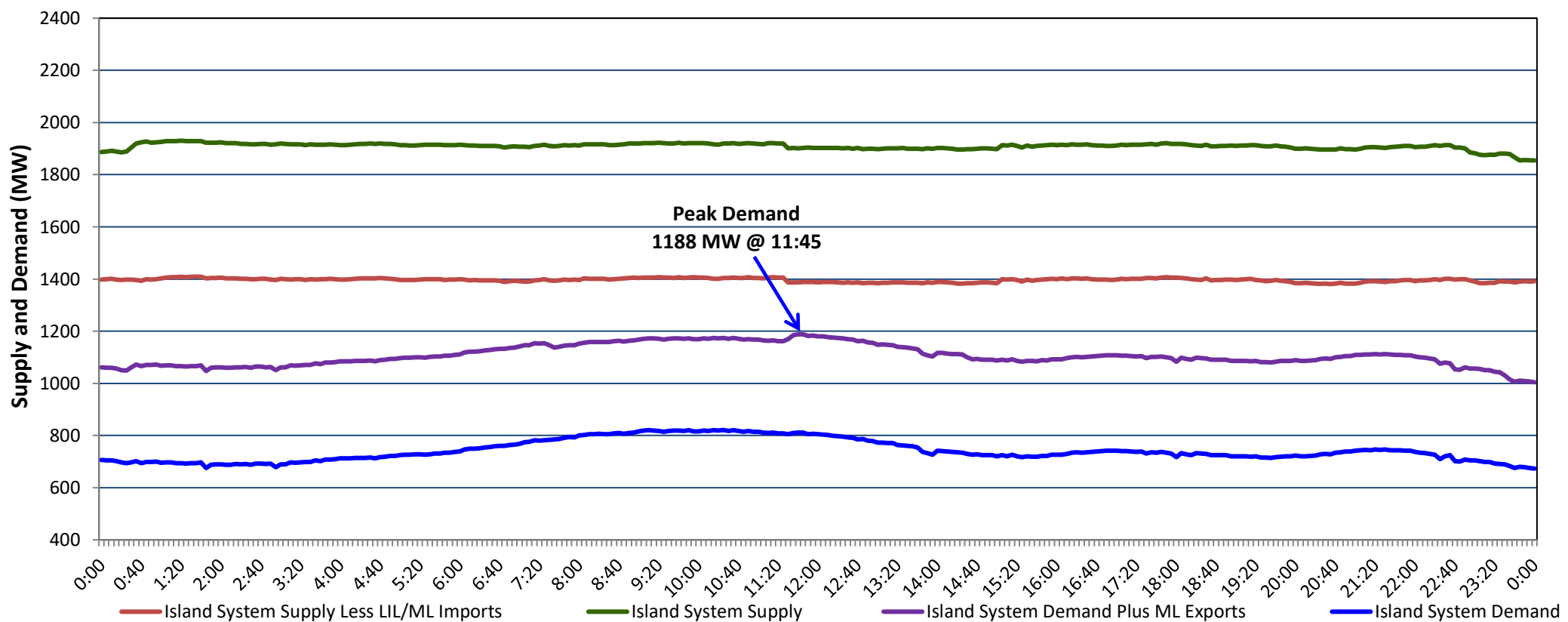


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, May 23, 2023

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Saturday, May 20, 2023



Supply Notes For May 20, 2023

1,2

- 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 1531 hours, May 18, 2023, Holyrood Unit 2 available but not operating (170 MW).

Section 2 Island Interconnected Supply and Demand

Sun, May 21, 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	1,855	MW	Sunday, May 21, 2023		11	10	1,165	1,165
NLH Island Generation: ^{4,8}	1,040	MW	Monday, May 22, 2023		11	3	1,195	1,195
NLH Island Power Purchases: ⁶	125	MW	Tuesday, May 23, 2023		3	3	1,265	1,265
Other Island Generation:	220	MW	Wednesday, May 24, 2023		5	6	955	955
ML/LIL Imports:	470	MW	Thursday, May 25, 2023		5	7	905	905
Current St. John's Temperature & Windchill:	13 °C	N/A °C	Friday, May 26, 2023		7	11	895	895
7-Day Island Peak Demand Forecast:	1,265	MW	Saturday, May 27, 2023		12	12	780	780

Supply Notes For May 21, 2023

3

- F At 0800 hours, May 21, 2023, Holyrood Unit 2 unavailable due to planned outage (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

Sat, May 20, 2023	Actual Island Peak Demand ⁹	11:45	1,188 MW
Sun, May 21, 2023	Forecast Island Peak Demand		1,165 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).