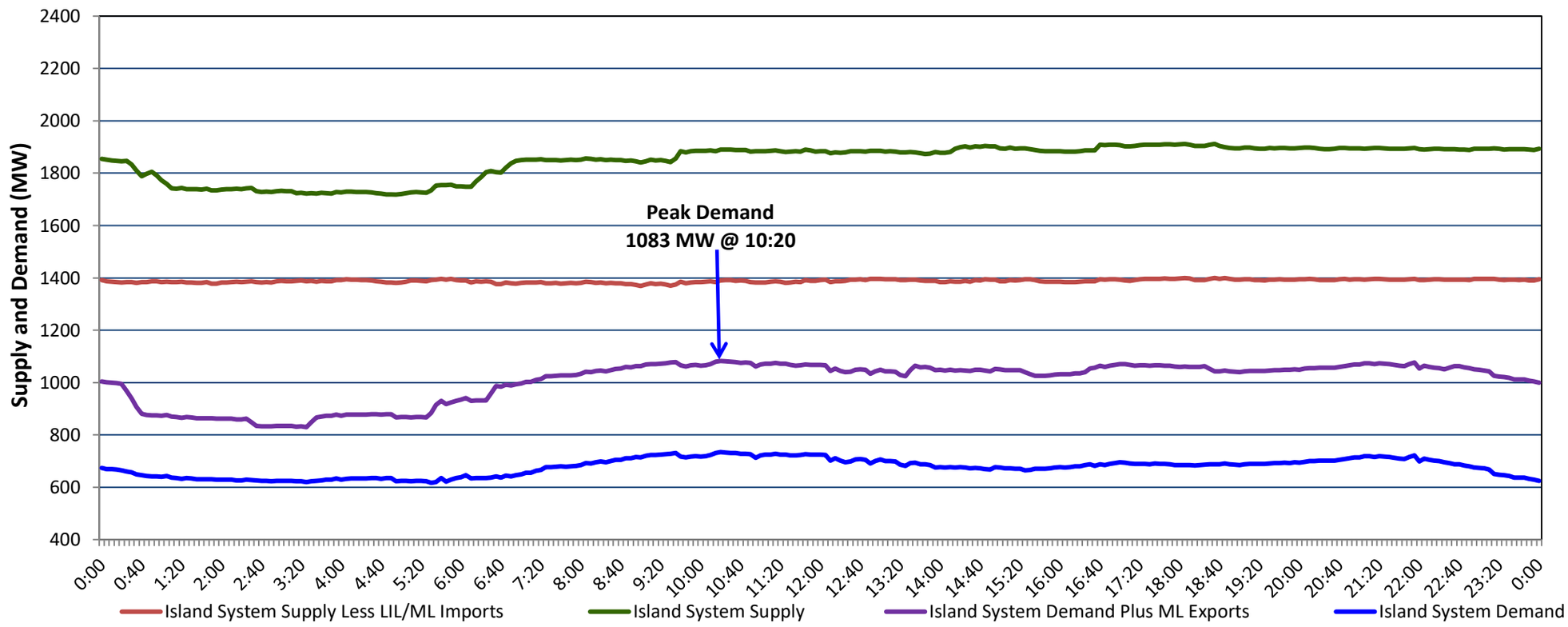
Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, May 23, 2023

Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Sunday, May 21, 2023



Supply Notes For May 21, 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	At 0800 hours, May 21, 2023, Holyrood Unit 2 unavailable due to planned outage (170 MW).

Section 2
Island Interconnected Supply and Demand

Mon, May 22, 2023	Island System Outlook[3]		
Available Island System Supply:[5]	**1,828**	**MW**	
NLH Island Generation:[4,8]	1,040	MW	
NLH Island Power Purchases:[6]	95	MW	
Other Island Generation:	220	MW	
ML/LIL Imports:	473	MW	
Current St. John's Temperature & Windchill:	12 °C	N/A	°C
7-Day Island Peak Demand Forecast:	**1,245**	MW	

Seven-Day Forecast	Temperature (°C) Morning	Temperature (°C) Evening	Island System Daily Peak Demand (MW) Forecast	Island System Daily Peak Demand (MW) Adjusted[7]
Monday, May 22, 2023	11	2	**1,225**	**1,225**
Tuesday, May 23, 2023	2	3	1,245	1,245
Wednesday, May 24, 2023	4	7	985	985
Thursday, May 25, 2023	8	5	895	895
Friday, May 26, 2023	8	7	905	905
Saturday, May 27, 2023	11	13	780	780
Sunday, May 28, 2023	13	8	795	795

Supply Notes For May 22, 2023 [3]

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

Sun, May 21, 2023	Actual Island Peak Demand[9]	10:20	1,083 MW
Mon, May 22, 2023	Forecast Island Peak Demand		1,225 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).