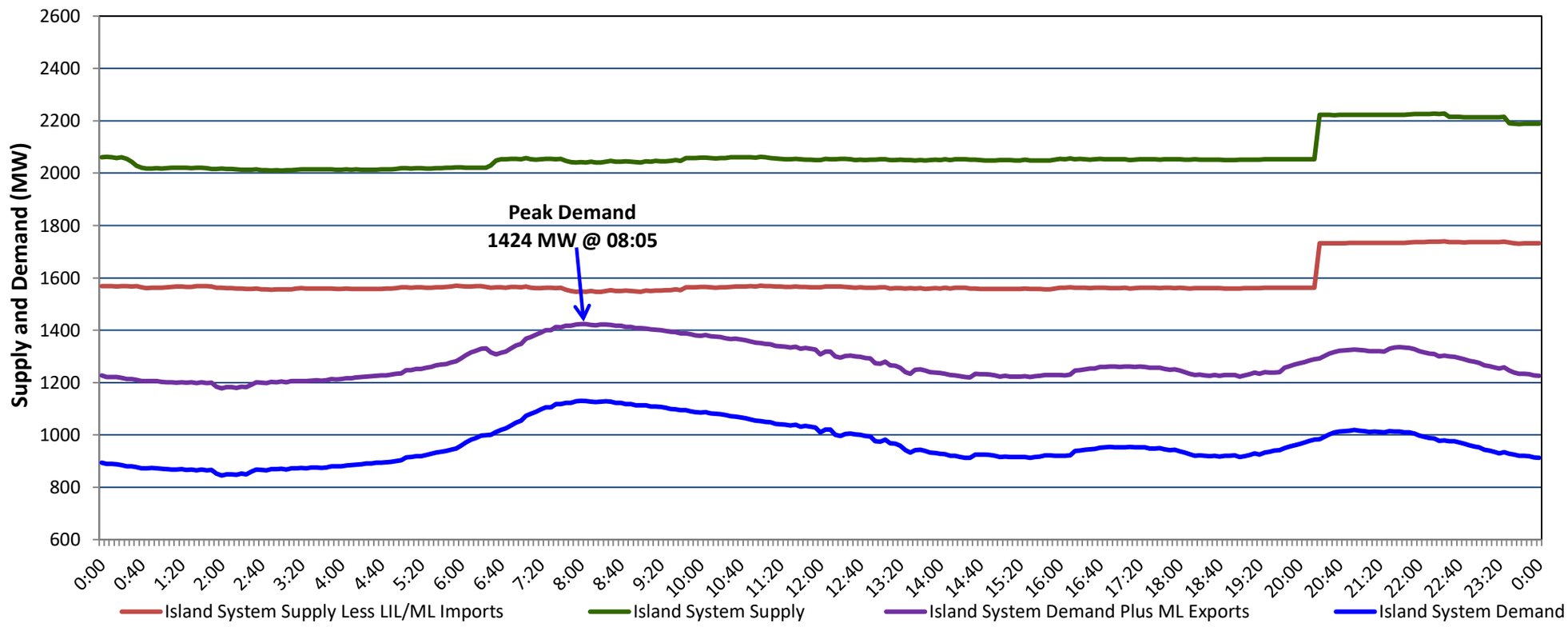
Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, April 28, 2023

Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Thursday, April 27, 2023



Supply Notes For April 27, 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 At 2018 hours, April 27, 2023, Holyrood Unit 2 available (170 MW).

Section 2
Island Interconnected Supply and Demand

Fri, Apr 28, 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]		**2,213**	**MW**	Friday, April 28, 2023	1	0	**1,475**	**1,378**
NLH Island Generation:[4,8]		1,380	MW	Saturday, April 29, 2023	1	0	1,125	1,032
NLH Island Power Purchases:[6]		125	MW	Sunday, April 30, 2023	1	0	1,165	1,072
Other Island Generation:		215	MW	Monday, May 1, 2023	0	2	1,170	1,170
ML/LIL Imports:		493	MW	Tuesday, May 2, 2023	3	0	1,070	1,070
Current St. John's Temperature & Windchill:	0 °C	-6	°C	Wednesday, May 3, 2023	2	5	1,075	1,075
7-Day Island Peak Demand Forecast:		**1,475**	MW	Thursday, May 4, 2023	3	3	1,040	1,040

Supply Notes For April 28, 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

Thu, Apr 27, 2023	Actual Island Peak Demand[9]	8:05	1,424 MW
Fri, Apr 28, 2023	Forecast Island Peak Demand		1,475 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).