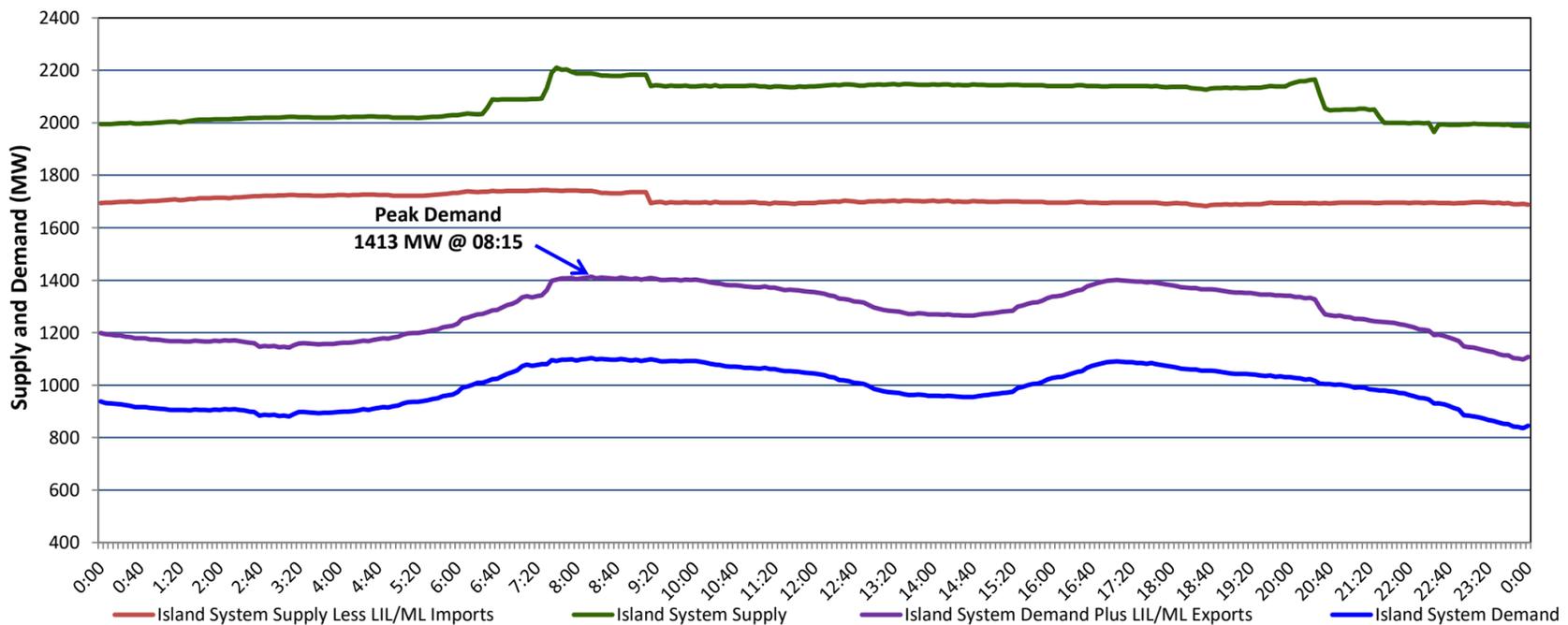


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Friday, November 18, 2022

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Thursday, November 17, 2022



Supply Notes For November 17, 2022

- 1,2
- A As of 1040 hours, August 27, 2022, Holyrood Unit 3 available but not operating (150 MW).
 B As of 0806 hours, November 10, 2022, St. Anthony Diesel Plant available at 8.7 MW (9.7 MW).
 C As of 1826 hours, November 13, 2022, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).
 D As of 1448 hours, November 15, 2022, Holyrood Unit 1 available at 80 MW (170 MW).
 E At 0913 hours, November 17, 2022, Granite Canal Unit unavailable due to planned outage (40 MW).

Section 2 Island Interconnected Supply and Demand

Fri, Nov 18, 2022	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	1,695	MW	Friday, November 18, 2022	3	2	1,135	1,042
NLH Island Generation: ^{4,8}	1,335	MW	Saturday, November 19, 2022	2	2	1,110	1,017
NLH Island Power Purchases: ⁶	140	MW	Sunday, November 20, 2022	-1	4	1,165	1,072
Other Island Generation:	220	MW	Monday, November 21, 2022	2	0	1,310	1,215
ML/LIL Imports:	-	MW	Tuesday, November 22, 2022	-1	0	1,235	1,141
Current St. John's Temperature & Windchill:	2 °C	N/A °C	Wednesday, November 23, 2022	-2	1	1,270	1,175
7-Day Island Peak Demand Forecast:	1,390	MW	Thursday, November 24, 2022	1	-3	1,390	1,294

Supply Notes For November 18, 2022

- 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, Nov 17, 2022	Actual Island Peak Demand ⁹	8:15	1,413 MW
Fri, Nov 18, 2022	Forecast Island Peak Demand		1,135 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).