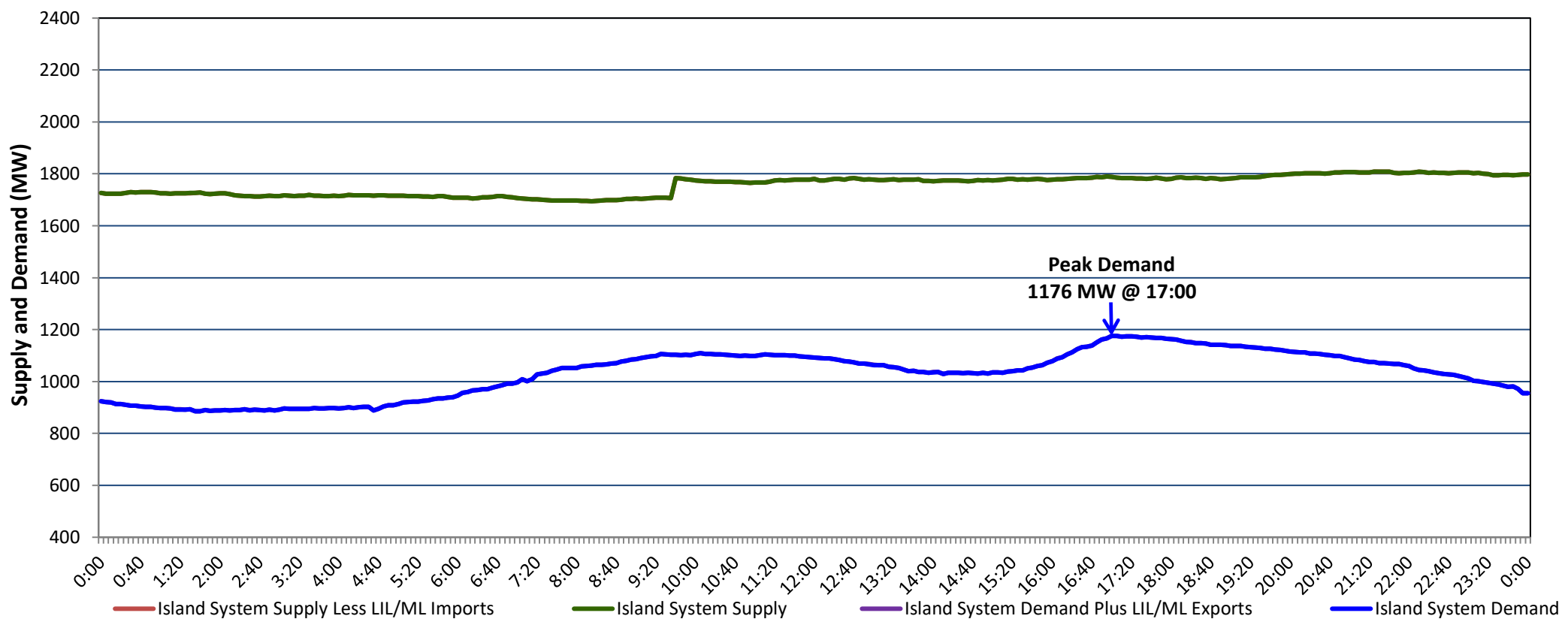


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, November 21, 2022**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Saturday, November 19, 2022**



Supply Notes For November 19, 2022

- A As of 0806 hours, November 10, 2022, St. Anthony Diesel Plant available at 8.7 MW (9.7 MW).
- B As of 1448 hours, November 15, 2022, Holyrood Unit 1 available at 80 MW (170 MW).
- C As of 1537 hours, November 18, 2022, Holyrood Unit 3 available but not operating 75 MW (150 MW).
- D At 0935 hours, November 19, 2022, Bay d'Espoir Unit 1 available (76.5 MW).

**Section 2
Island Interconnected Supply and Demand**

Sun, Nov 20, 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	1,755	MW	Sunday, November 20, 2022	-1	4	1,275	1,180
NLH Island Generation: ^{4,8}	1,450	MW	Monday, November 21, 2022	1	-1	1,495	1,398
NLH Island Power Purchases: ⁶	100	MW	Tuesday, November 22, 2022	0	0	1,260	1,165
Other Island Generation:	205	MW	Wednesday, November 23, 2022	-2	-3	1,295	1,200
ML/LIL Imports:	-	MW	Thursday, November 24, 2022	-4	1	1,375	1,279
Current St. John's Temperature & Windchill:	-4 °C	-6 °C	Friday, November 25, 2022	-1	0	1,215	1,121
7-Day Island Peak Demand Forecast:	1,495	MW	Saturday, November 26, 2022	5	2	1,140	1,047

Supply Notes For November 20, 2022

- 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, Nov 19, 2022	Actual Island Peak Demand ⁹	17:00	1,176 MW
Sun, Nov 20, 2022	Forecast Island Peak Demand		1,275 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).