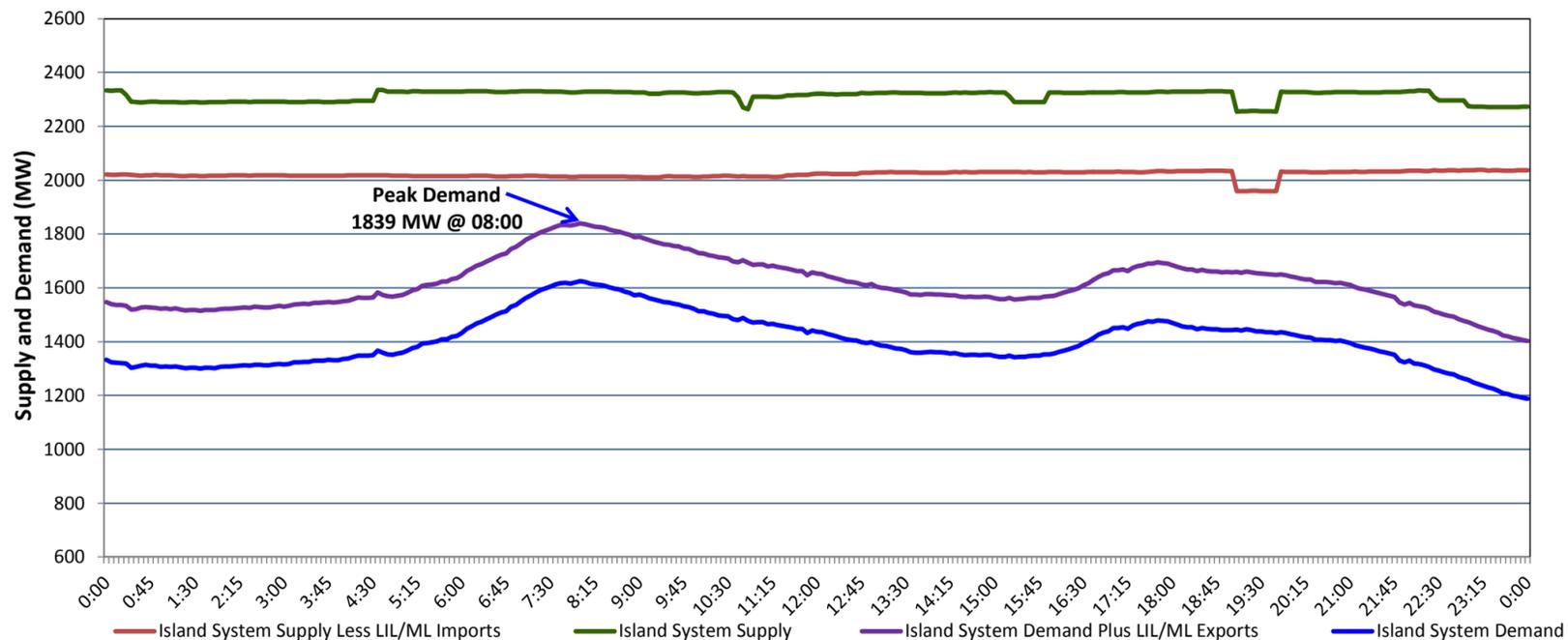


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, February 08, 2022**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Monday, February 07, 2022**



Supply Notes For February 07, 2022

- A As of 1715 hours, January 21, 2022, Holyrood Unit 2 available at 150 MW (170 MW).
- B At 1903 hours, February 07, 2022, Hinds Lake Unit unavailable (75 MW).
- C At 1948 hours, February 07, 2022, Hinds Lake Unit available (75 MW).

**Section 2
Island Interconnected Supply and Demand**

Tue, Feb 08, 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	2,316 MW	Tuesday, February 08, 2022	-4	-2	1,615	1,508
NLH Island Generation: ^{4,8}	1,675 MW	Wednesday, February 09, 2022	4	0	1,280	1,177
NLH Island Power Purchases: ⁶	135 MW	Thursday, February 10, 2022	-1	-1	1,280	1,177
Other Island Generation:	230 MW	Friday, February 11, 2022	1	1	1,225	1,123
ML/LIL Imports:	276 MW	Saturday, February 12, 2022	1	1	1,240	1,138
Current St. John's Temperature & Windchill:	-4 °C -10 °C	Sunday, February 13, 2022	4	-2	1,305	1,202
7-Day Island Peak Demand Forecast:	1,615 MW	Monday, February 14, 2022	-5	-5	1,430	1,325

Supply Notes For February 08, 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 required for full rated output. This threshold is dependent on the design of each turbine.

**Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak**

Mon, Feb 07, 2022	Actual Island Peak Demand ⁹	08:00	1,839 MW
Tue, Feb 08, 2022	Forecast Island Peak Demand		1,615 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).