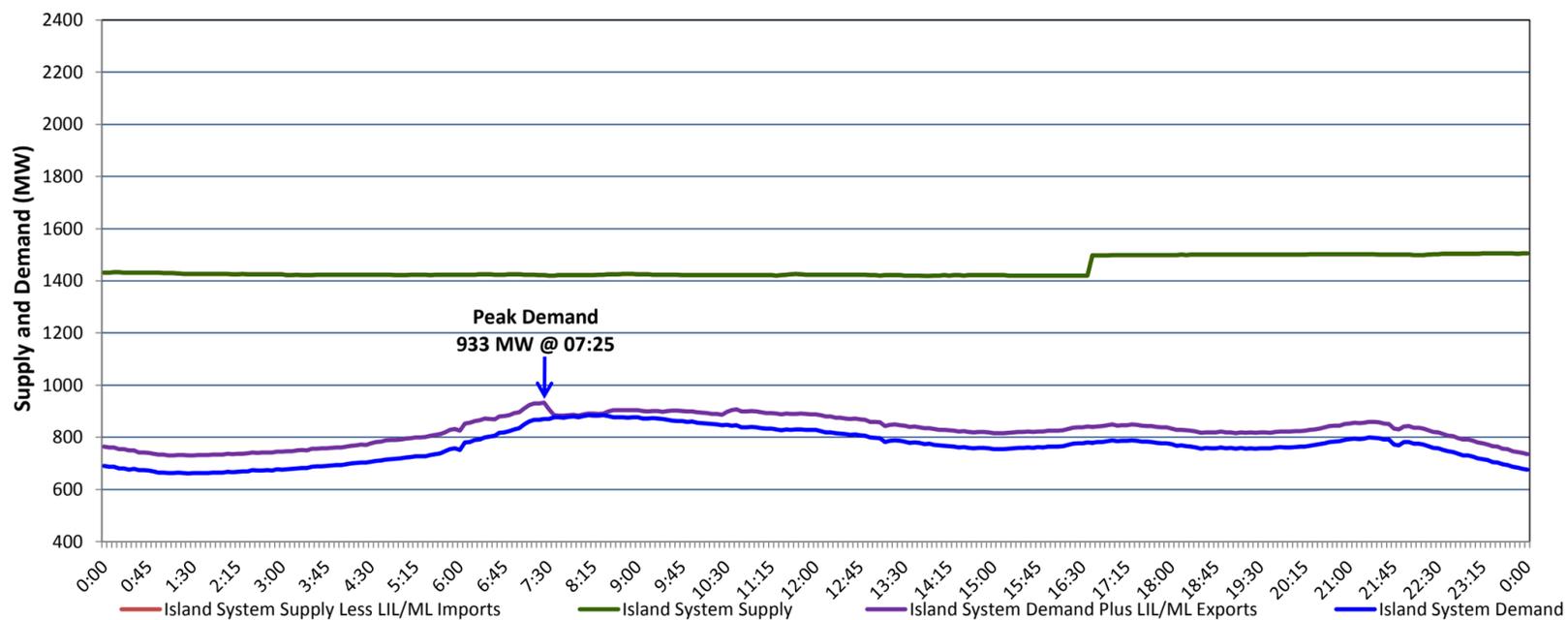


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Friday, May 21, 2021

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Thursday, May 20, 2021



Supply Notes For May 20, 2021

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- A As of 0805 hours, April 09, 2021, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- B As of 0709 hours, May 07, 2021, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
- C As of 1827 hours, May 07, 2021, Holyrood Unit 1 available but not operating (170 MW).
- D As of 1055 hours, May 15, 2021, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).
- E At 1640 hours, May 20, 2021, Bay d'Espoir Unit 1 available (76.5 MW).

Section 2 Island Interconnected Supply and Demand

Fri, May 21, 2021	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	1,535	MW	Friday, May 21, 2021	10	14	865	865
NLH Island Generation: ⁴	1,175	MW	Saturday, May 22, 2021	13	12	810	810
NLH Island Power Purchases: ⁶	120	MW	Sunday, May 23, 2021	13	11	835	835
Other Island Generation:	240	MW	Monday, May 24, 2021	3	1	1,130	1,130
ML/LIL Imports:	-	MW	Tuesday, May 25, 2021	3	8	1,015	1,015
Current St. John's Temperature & Windchill:	7 °C	N/A	Wednesday, May 26, 2021	8	11	920	920
7-Day Island Peak Demand Forecast:	1,130	MW	Thursday, May 27, 2021	11	6	900	900

Supply Notes For May 21, 2021

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- 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.

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

Thu, May 20, 2021	Actual Island Peak Demand ⁸	07:25	933 MW
Fri, May 21, 2021	Forecast Island Peak Demand		865 MW

- Notes: 8. 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).