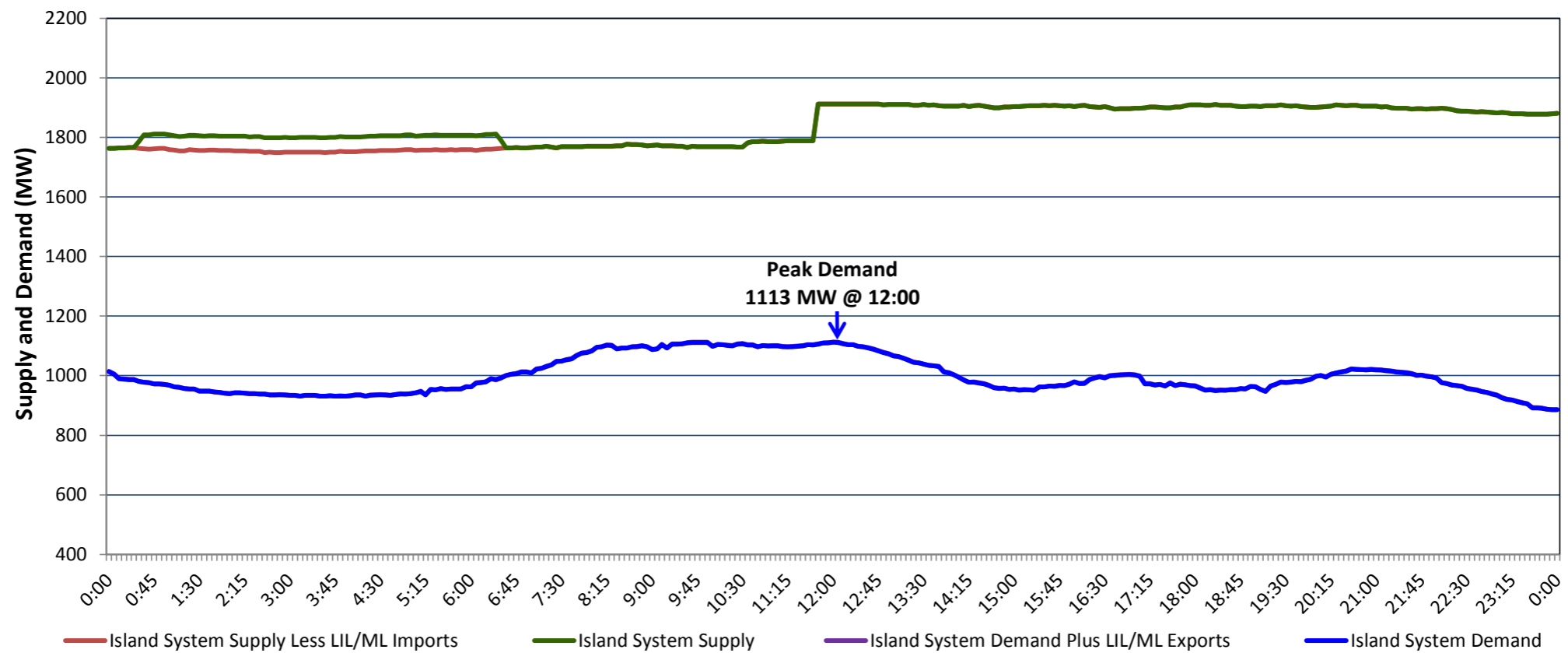


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, April 21, 2020**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Monday, April 20, 2020**



Supply Notes For April 20, 2020

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- A As of 0847 hours, March 19, 2020, Holyrood Diesels available at 8 MW (10 MW).
- B As of 1054 hours, March 31, 2020, Holyrood Unit 3 removed from service for economic dispatch (150 MW).
- C At 1144 hours, April 20, 2020, Holyrood Gas Turbine available (123.5 MW).

**Section 2
Island Interconnected Supply and Demand**

Tue, Apr 21, 2020	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	1,865	MW	Tuesday, April 21, 2020	2	0	1,150	1,057
NLH Island Generation: ⁴	1,540	MW	Wednesday, April 22, 2020	0	1	1,130	1,037
NLH Island Power Purchases: ⁶	110	MW	Thursday, April 23, 2020	3	0	1,060	968
Other Island Generation:	215	MW	Friday, April 24, 2020	3	3	1,035	943
ML/LIL Imports:	-	MW	Saturday, April 25, 2020	3	3	965	874
Current St. John's Temperature & Windchill:	2 °C	N/A °C	Sunday, April 26, 2020	3	4	980	889
7-Day Island Peak Demand Forecast:	1,150	MW	Monday, April 27, 2020	3	0	1,020	928

Supply Notes For April 21, 2020

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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**

Mon, Apr 20, 2020	Actual Island Peak Demand ⁸	12:00	1,113 MW
Tue, Apr 21, 2020	Forecast Island Peak Demand		1,150 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).