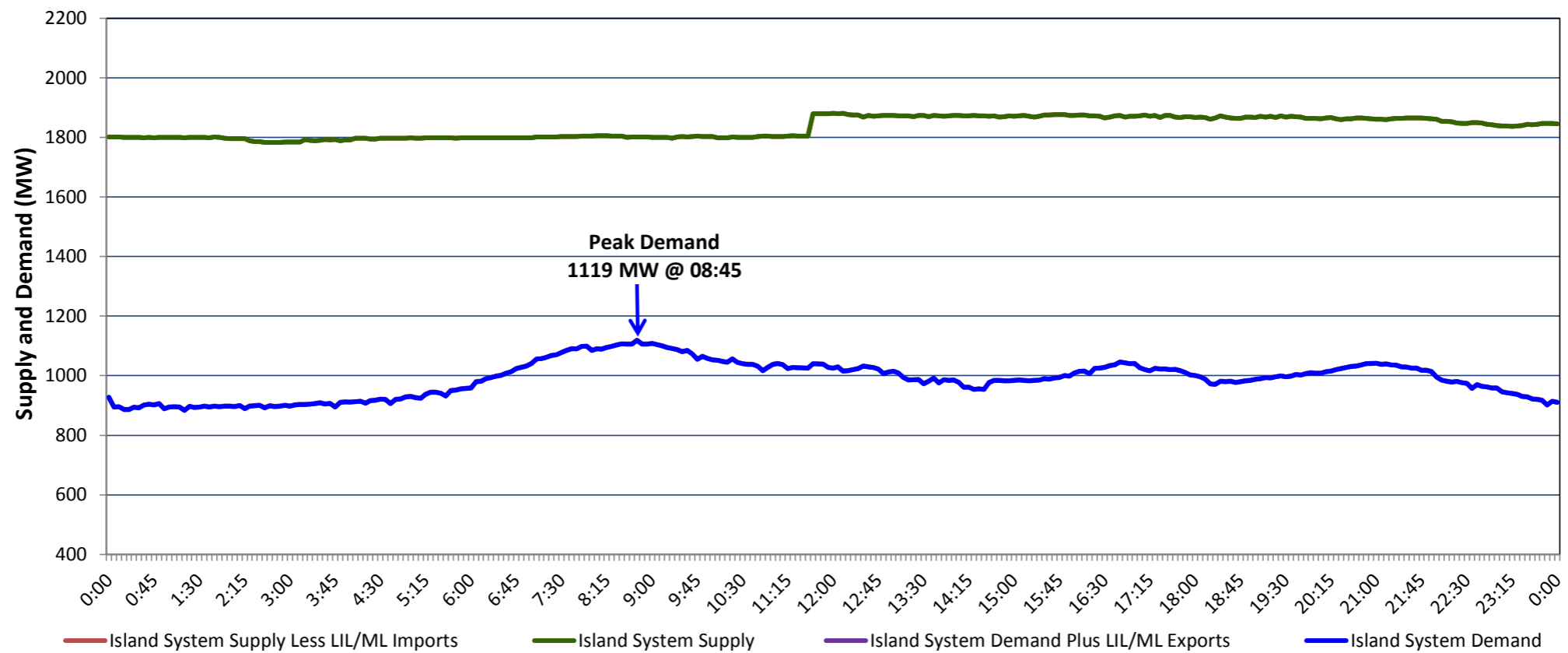


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, April 30, 2020**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, April 29, 2020**



Supply Notes For April 29, 2020

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- A As of 0847 hours, March 19, 2020, Holyrood Diesels available at 8 MW (10 MW).
- B As of 1245 hours, April 24, 2020, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- C As of 1842 hours, April 25, 2020, Granite Canal Unit unavailable (40 MW)
- D At 1136 hours, April 29, 2020, Hinds Lake Unit available (75 MW).

**Section 2
Island Interconnected Supply and Demand**

Thu, Apr 30, 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	1,850	MW	Thursday, April 30, 2020	1	2	1,090	997
NLH Island Generation: ⁴	1,500	MW	Friday, May 01, 2020	5	6	970	970
NLH Island Power Purchases: ⁶	135	MW	Saturday, May 02, 2020	7	10	860	860
Other Island Generation:	215	MW	Sunday, May 03, 2020	9	6	930	930
ML/LIL Imports:	-	MW	Monday, May 04, 2020	3	2	1,060	1,060
Current St. John's Temperature & Windchill:	0 °C	-6 °C	Tuesday, May 05, 2020	0	2	1,130	1,130
7-Day Island Peak Demand Forecast:	1,130	MW	Wednesday, May 06, 2020	6	4	995	995

Supply Notes For April 30, 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**

Wed, Apr 29, 2020	Actual Island Peak Demand ⁸	08:45	1,119 MW
Thu, Apr 30, 2020	Forecast Island Peak Demand		1,090 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).