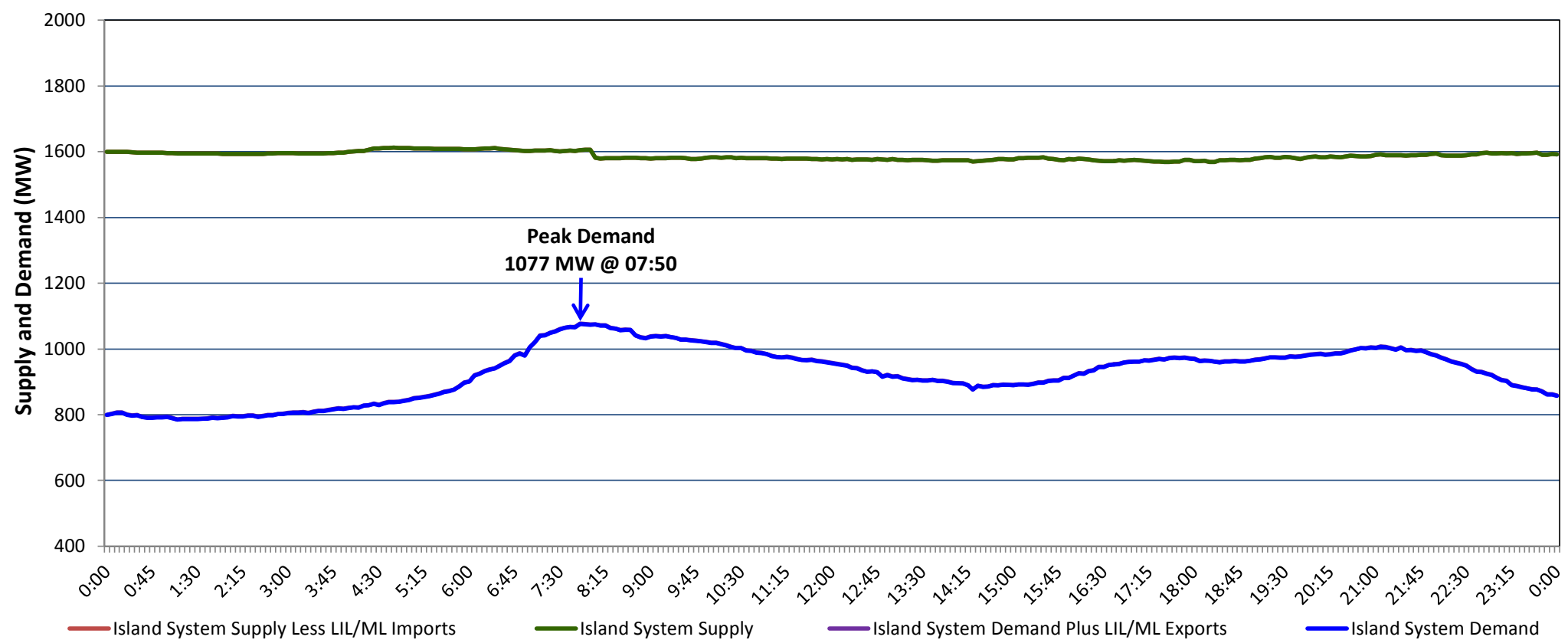


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, May 22, 2019

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Tuesday, May 21, 2019



Supply Notes For May 21, 2019

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- A As of 0000 hours, April 01, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
 B As of 1430 hours, May 05, 2019, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).
 C As of 0729 hours, May 12, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
 D As of 1000 hours, May 16, 2019, Holyrood Unit 2 removed from service for economic dispatch (170 MW).
 E **At 0805 hours, May 21, 2019, Hardwoods Gas Turbine unavailable due to planned outage 25 MW (50 MW).**

Section 2 Island Interconnected Supply and Demand

Wed, May 22, 2019	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	1,580	MW	Wednesday, May 22, 2019	1	1	1,155	1,155
NLH Island Generation: ⁴	1,245	MW	Thursday, May 23, 2019	3	3	1,135	1,135
NLH Island Power Purchases: ⁶	130	MW	Friday, May 24, 2019	3	5	1,105	1,105
Other Island Generation:	205	MW	Saturday, May 25, 2019	7	4	895	895
ML/LIL Imports:	-	MW	Sunday, May 26, 2019	5	6	860	860
Current St. John's Temperature & Windchill:	1 °C	N/A °C	Monday, May 27, 2019	6	6	980	980
7-Day Island Peak Demand Forecast:	1,155	MW	Tuesday, May 28, 2019	5	5	1,020	1,020

Supply Notes For May 22, 2019

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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

Tue, May 21, 2019	Actual Island Peak Demand ⁸	07:50	1,077 MW
Wed, May 22, 2019	Forecast Island Peak Demand		1,155 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).