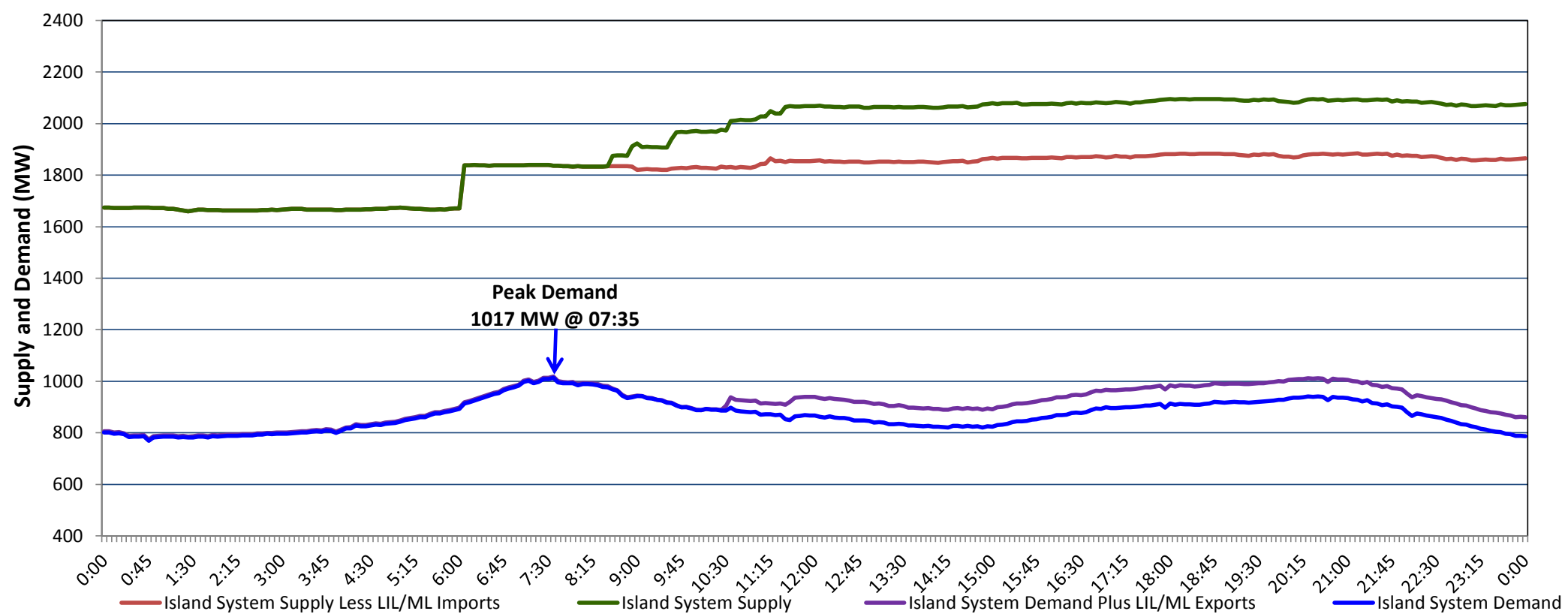


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, April 23, 2021**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Thursday, April 22, 2021**



Supply Notes For April 22, 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 0628 hours, April 12, 2021, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
- C At 0603 hours, April 22, 2021, Holyrood Unit 2 available (170 MW).
- D At 1449 hours, April 22, 2021, Paradise River Unit available (8 MW).

**Section 2
Island Interconnected Supply and Demand**

Fri, Apr 23, 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	2,088	MW	Friday, April 23, 2021	3	4	1,155	1,062
NLH Island Generation: ⁴	1,495	MW	Saturday, April 24, 2021	4	5	1,005	913
NLH Island Power Purchases: ⁶	150	MW	Sunday, April 25, 2021	4	5	970	879
Other Island Generation:	250	MW	Monday, April 26, 2021	5	4	1,020	928
ML/LIL Imports:	193	MW	Tuesday, April 27, 2021	5	6	1,070	978
Current St. John's Temperature & Windchill:	1 °C	N/A °C	Wednesday, April 28, 2021	6	7	1,010	918
7-Day Island Peak Demand Forecast:	1,155	MW	Thursday, April 29, 2021	5	5	1,035	918

Supply Notes For April 23, 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, Apr 22, 2021	Actual Island Peak Demand ⁸	07:35	1,017 MW
Fri, Apr 23, 2021	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).