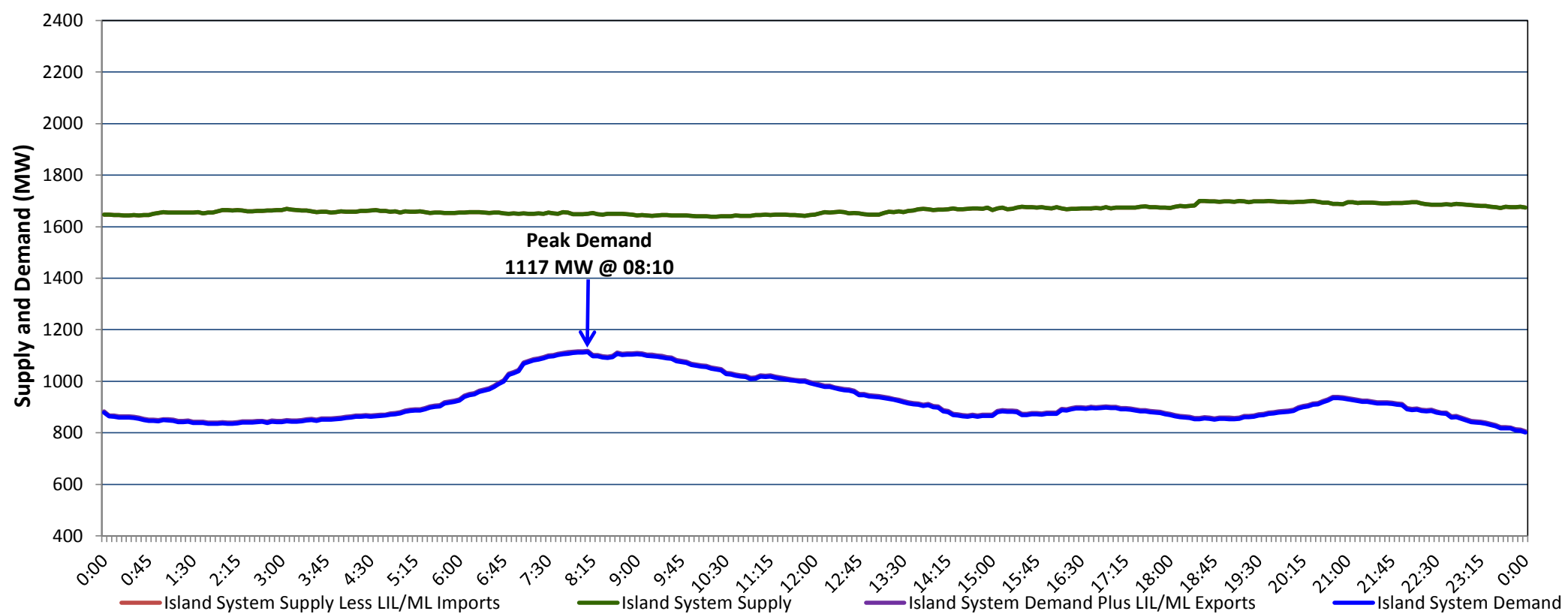


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, April 22, 2021**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, April 21, 2021**



Supply Notes For April 21, 2021

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- A As of 1401 hours, March 28, 2021, Paradise River Unit unavailable due to planned outage (8 MW).
- B As of 0805 hours, April 09, 2021, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- C As of 0628 hours, April 12, 2021, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
- D As of 0845 hours, April 20, 2021, Holyrood Unit 2 unavailable due to planned outage 50 MW (170 MW).

**Section 2
Island Interconnected Supply and Demand**

Thu, Apr 22, 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	1,850	MW	Thursday, April 22, 2021	5	5	1,055	963
NLH Island Generation: ⁴	1,485	MW	Friday, April 23, 2021	3	3	1,120	1,027
NLH Island Power Purchases: ⁶	125	MW	Saturday, April 24, 2021	3	4	1,005	913
Other Island Generation:	240	MW	Sunday, April 25, 2021	3	5	965	874
ML/LIL Imports:	-	MW	Monday, April 26, 2021	5	5	1,005	913
Current St. John's Temperature & Windchill:	6 °C	N/A °C	Tuesday, April 27, 2021	5	7	1,060	968
7-Day Island Peak Demand Forecast:	1,120	MW	Wednesday, April 28, 2021	5	6	1,005	968

Supply Notes For April 22, 2021

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- E At 0603 hours, April 22, 2021, Holyrood Unit 2 available (170 MW).

- 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 21, 2021	Actual Island Peak Demand ⁸	08:10	1,117 MW
Thu, Apr 22, 2021	Forecast Island Peak Demand		1,055 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).