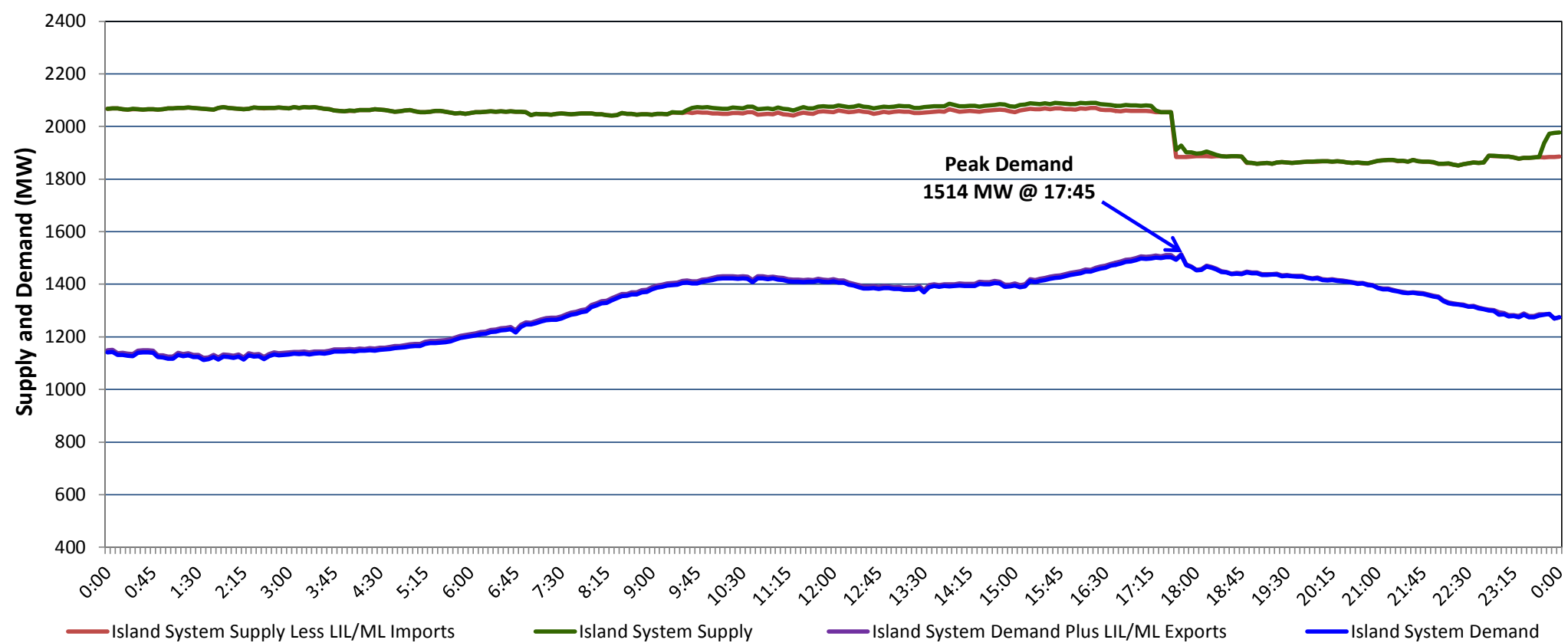


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, February 22, 2021**

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



Supply Notes For February 21, 2021

1,2

- A At 1737 hours, February 21, 2021, Holyrood Unit 1 unavailable (170 MW).
- B At 1848 hours, February 21, 2021, Hardwoods Gas Turbine available at 25 MW (50 MW).
- C At 2250 hours, February 21, 2021, Hardwoods Gas Turbine available at full capacity (50 MW).

**Section 2
Island Interconnected Supply and Demand**

Mon, Feb 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	1,926	MW	Monday, February 22, 2021	-10	-5	1,515	1,409
NLH Island Generation: ⁴	1,415	MW	Tuesday, February 23, 2021	-3	1	1,345	1,241
NLH Island Power Purchases: ⁶	130	MW	Wednesday, February 24, 2021	2	-1	1,335	1,232
Other Island Generation:	240	MW	Thursday, February 25, 2021	-2	3	1,290	1,187
ML/LIL Imports:	141	MW	Friday, February 26, 2021	0	-3	1,325	1,222
Current St. John's Temperature & Windchill:	-10 °C	-20 °C	Saturday, February 27, 2021	-6	-5	1,300	1,197
7-Day Island Peak Demand Forecast:	1,515	MW	Sunday, February 28, 2021	-3	1	1,315	1,212

Supply Notes For February 22, 2021

3

- D At 0111 hours, February 22, 2021, Holyrood Unit 3 unavailable (150 MW).
- E At 0338 hours, February 22, 2021, Holyrood Unit 3 available at 40 MW (150 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**

Sun, Feb 21, 2021	Actual Island Peak Demand ⁸	17:45	1,514 MW
Mon, Feb 22, 2021	Forecast Island Peak Demand		1,515 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).