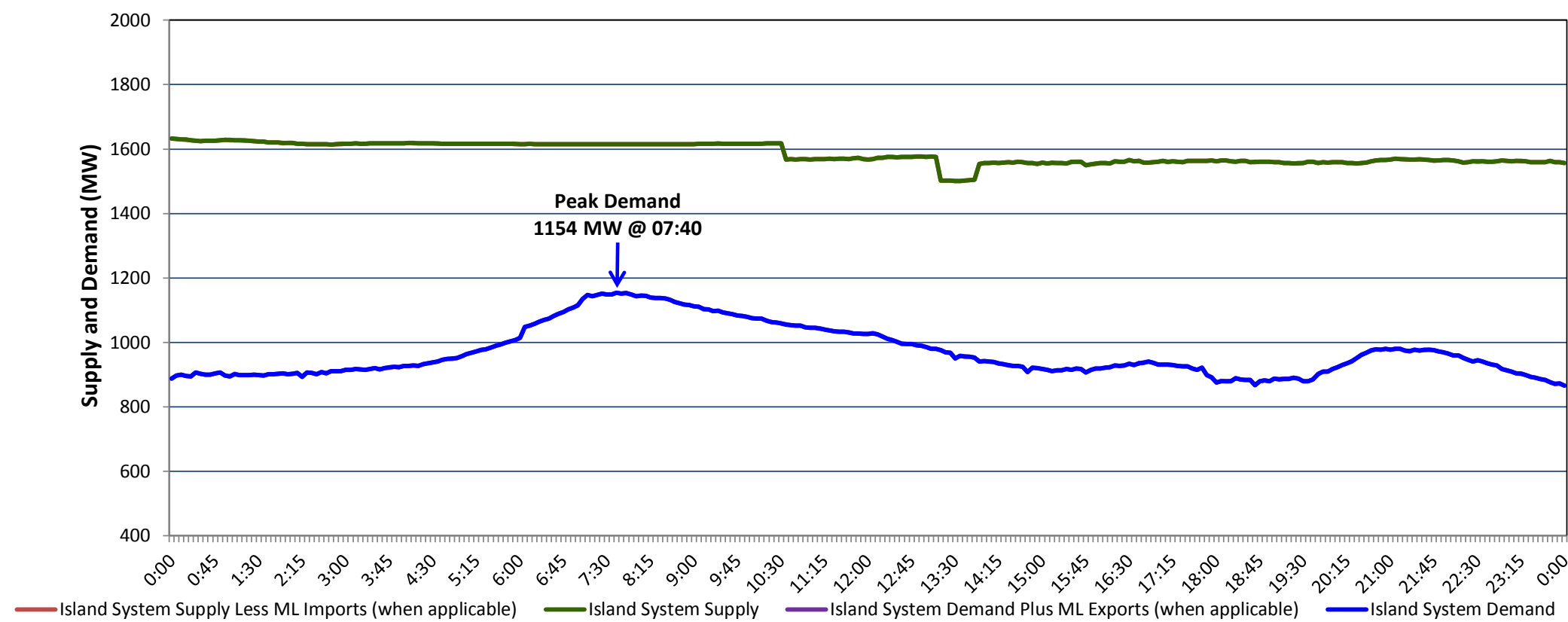


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, April 24, 2018**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Monday, April 23, 2018**



Supply Notes For April 23, 2018

- 1,2
- A As of 2115 hours, January 04, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
 - B As of 0801 hours, April 02, 2018, Holyrood Unit 3 unavailable due to planned outage 110 MW (150 MW).
 - C As of 1300 hours, April 05, 2018, Hawkes Bay Diesel Plant unavailable (5 MW).
 - D As of 0836 hours, April 12, 2018, Holyrood Unit 1 available at 126 MW (170 MW).
 - E As of 1050 hours, April 17, 2018, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).
 - F At 1031 hours, April 23, 2018, Hardwoods Gas Turbine unavailable due to planned outage (50 MW)
 - G At 1313 hours, April 23, 2018, Hinds Lake Unit unavailable due to planned outage (75 MW).
 - H At 1353 hours, April 23, 2018, Hardwoods Gas Turbine available (50 MW).
 - I At 1541 hours, April 23, 2018, Holyrood Unit 2 available at 70 MW (170 MW).

**Section 2
Island Interconnected Supply and Demand**

Tue, Apr 24, 2018	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	1,585 MW	Tuesday, April 24, 2018	3	5	1,125	1,045
NLH Generation: ⁴	1,215 MW	Wednesday, April 25, 2018	6	9	1,080	1,000
NLH Power Purchases: ⁶	140 MW	Thursday, April 26, 2018	6	9	1,025	945
Maritime Link Imports:	25 MW	Friday, April 27, 2018	6	9	1,065	985
Other Island Generation:	205 MW	Saturday, April 28, 2018	5	9	985	905
Current St. John's Temperature & Windchill: 3 °C	N/A °C	Sunday, April 29, 2018	11	9	890	810
7-Day Island Peak Demand Forecast:	1,125 MW	Monday, April 30, 2018	9	5	930	850

Supply Notes For April 24, 2018

- 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 some customer's load must 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, is necessary to ensure the integrity and reliability of system equipment. Under frequency events typically occur 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes.
 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 Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation, Vale capacity assistance (when applicable).
 7. Adjusted for CBP&P and Maritime Link Exports.

**Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak**

Mon, Apr 23, 2018	Actual Island Peak Demand ⁸	07:40	1,154 MW
Tue, Apr 24, 2018	Forecast Island Peak Demand		1,125 MW

- Notes: 8. Island Demand / 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).