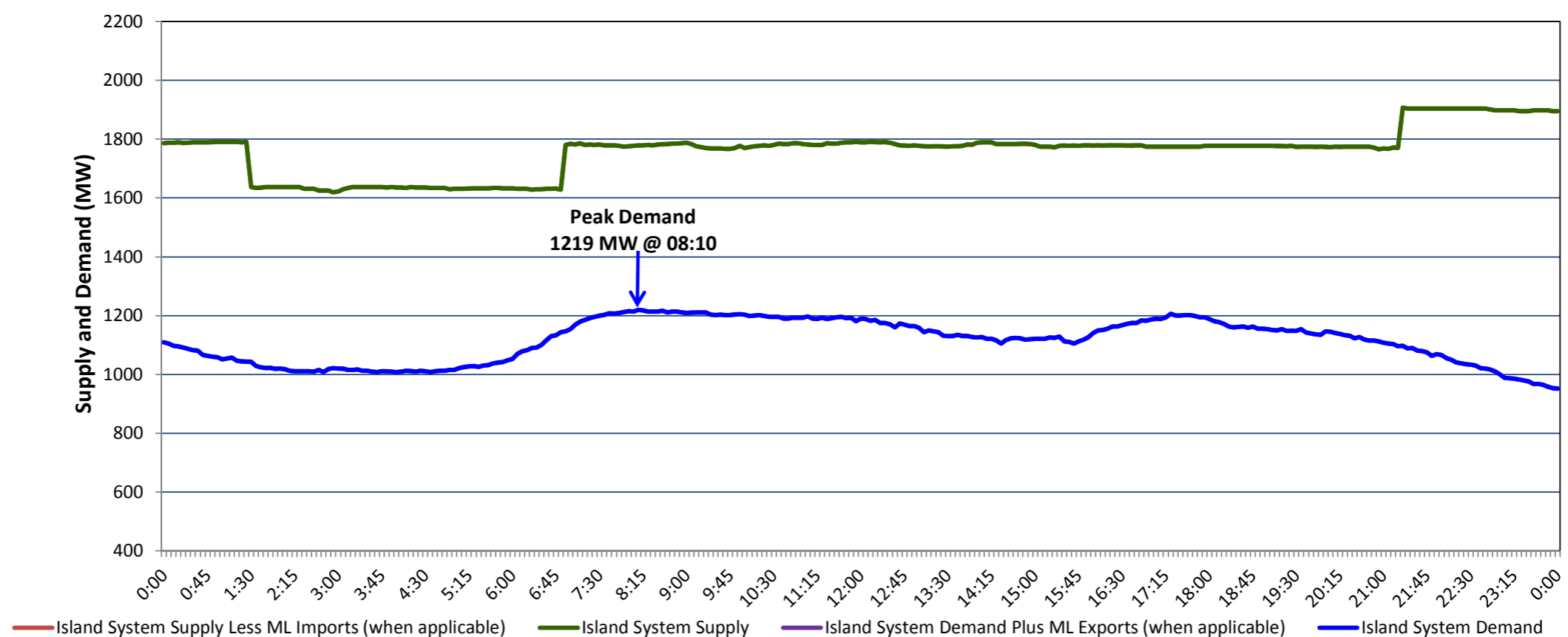


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, February 05, 2018**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Friday, February 02, 2018**



Supply Notes For February 02, 2018

- 1,2
- A As of 2115 hours, January 04, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
 - B As of 1144 hours, January 22, 2018, Holyrood Unit 3 available at 115 MW (150 MW).
 - C As of 0844 hours, February 01, 2018, Holyrood Unit 2 available at 135 MW (170 MW).
 - D At 0130 hours, February 02, 2018, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
 - E At 0130 hours, February 02, 2018, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).
 - F At 0651 hours, February 02, 2018, Bay d'Espoir Unit 5 available (76.5 MW).
 - G At 0651 hours, February 02, 2018, Bay d'Espoir Unit 6 available (76.5 MW).
 - H At 1400 hours, February 02, 2018, St. Anthony Diesel Plant available at full capacity (9.7 MW).
 - I At 2118 hours, February 02, 2018, Holyrood Unit 1 available at 150 MW (170 MW).

**Section 2
Island Interconnected Supply and Demand**

Sat, Feb 03, 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	1,920 MW	Saturday, February 03, 2018	1	-8	1,560	1,451
NLH Generation: ⁴	1,565 MW	Sunday, February 04, 2018	-12	-7	1,555	1,446
NLH Power Purchases: ⁶	145 MW	Monday, February 05, 2018	-1	4	1,430	1,322
Maritime Link Imports:	- MW	Tuesday, February 06, 2018	-1	-7	1,560	1,451
Other Island Generation:	210 MW	Wednesday, February 07, 2018	-8	0	1,560	1,337
Current St. John's Temperature & Windchill:	0 °C	Thursday, February 08, 2018	-2	1	1,465	1,357
7-Day Island Peak Demand Forecast:	1,560 MW	Friday, February 09, 2018	-5	-4	1,540	1,431

Supply Notes For February 03, 2018

- 3
- J At 0749 hours, February 03, 2018, Holyrood Unit 2 available at 129 MW (170 MW).
 - K At 0749 hours, February 03, 2018, Holyrood Unit 3 available at 107 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 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, Vale and Praxair interruptible load, Maritime Link Exports and the impact of voltage reduction (when applicable).

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

Fri, Feb 02, 2018	Actual Island Peak Demand ⁸	08:10	1,219 MW
Sat, Feb 03, 2018	Forecast Island Peak Demand		1,560 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).