

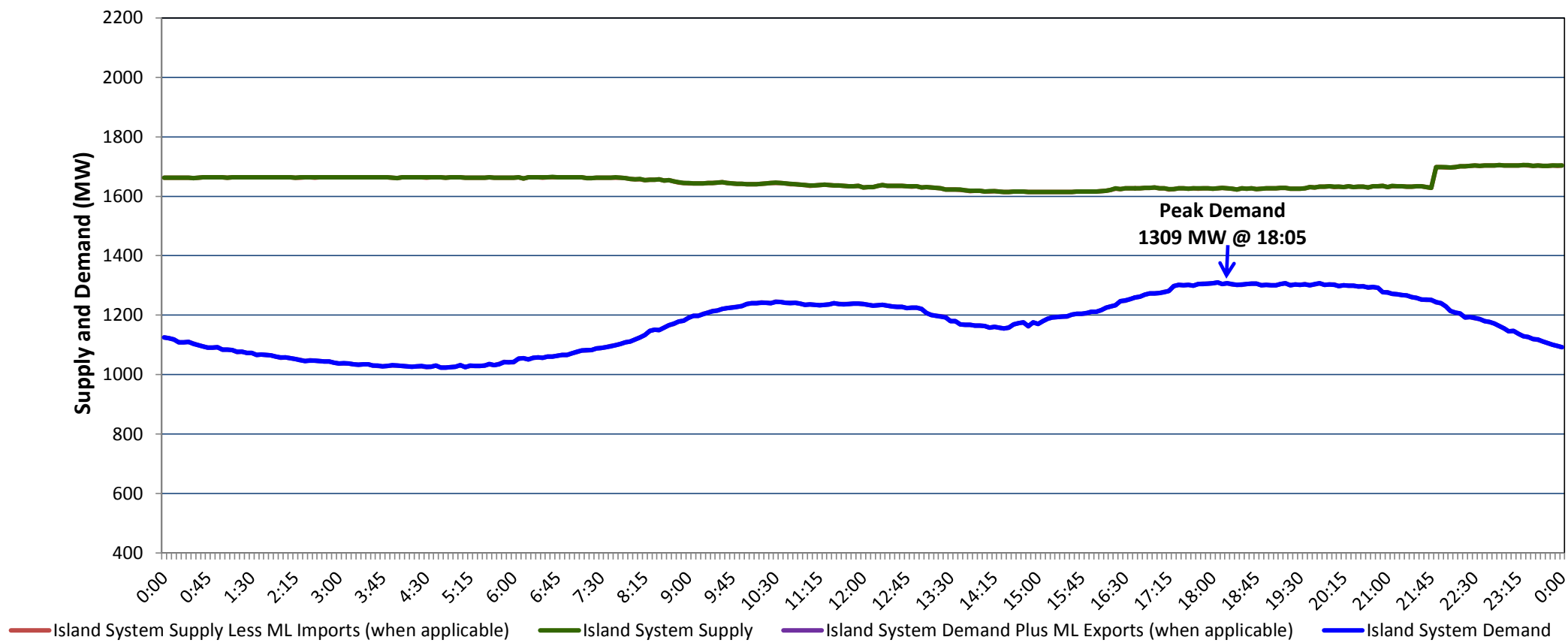
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Monday, February 12, 2018

Section 1

Island Interconnected System Supply, Demand & Exports

Actual 24 Hour System Performance For Sunday, February 11, 2018



Supply Notes For February 11, 2018

- AAs of 2115 hours, January 04, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
- BAs of 1204 hours, February 03, 2018, Holyrood Unit 1 unavailable 70 MW (170 MW).
- CAs of 1550 hours, February 08, 2018, Holyrood Unit 2 available at 127 MW (170 MW).
- DAt 2150 hours, February 11, 2018, Holyrood Unit 3 available at 70 MW (150 MW).

1,2

Section 2

Island Interconnected Supply and Demand

Mon, Feb 12, 2018	Island System Outlook ³			Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
					Morning	Evening		
Available Island System Supply: ⁵	1,705	MW		Monday, February 12, 2018	-1	2	1,400	1,258
NLH Generation: ⁴	1,375	MW		Tuesday, February 13, 2018	-7	-12	1,665	1,555
NLH Power Purchases: ⁶	115	MW		Wednesday, February 14, 2018	-12	-3	1,655	1,416
Maritime Link Imports:	-	MW		Thursday, February 15, 2018	0	1	1,370	1,199
Other Island Generation:	215	MW		Friday, February 16, 2018	2	2	1,340	1,233
Current St. John's Temperature & Windchill:	-2 °C	-9 °C		Saturday, February 17, 2018	-2	-8	1,550	1,441
7-Day Island Peak Demand Forecast:	1,665	MW		Sunday, February 18, 2018	-7	-3	1,455	1,312

Supply Notes For February 12, 2018

3

- 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

Sun, Feb 11, 2018	Actual Island Peak Demand ⁸	18:05	1,309 MW
Mon, Feb 12, 2018	Forecast Island Peak Demand		1,400 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).