

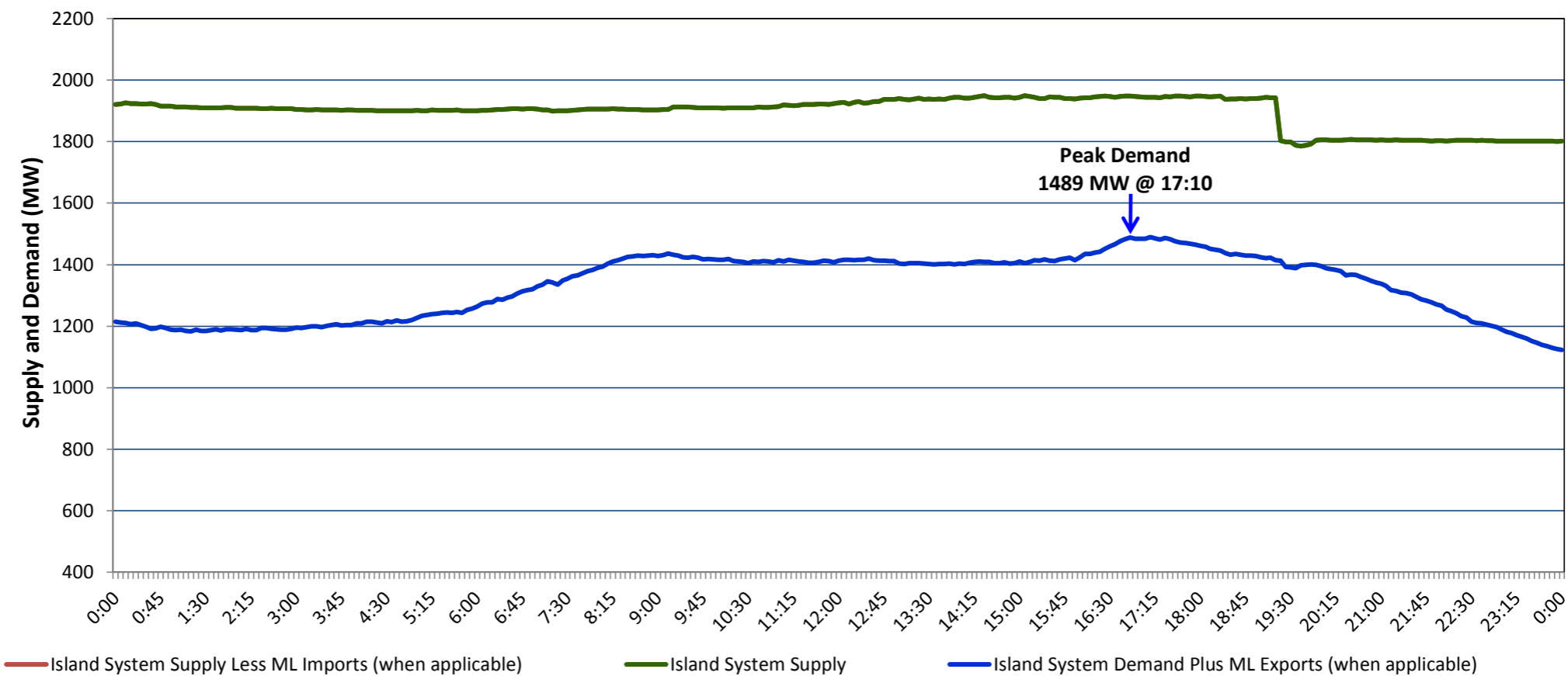
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Monday, January 22, 2018

Section 1

Island Interconnected System Supply, Demand & Exports

Actual 24 Hour System Performance For Saturday, January 20, 2018



Supply Notes For January 20, 2018

- A As of 0739 hours, January 03, 2018, Holyrood Unit 2 available at 154 MW (170 MW).
- B As of 2115 hours, January 04, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
- C As of 0943 hours, January 18, 2018, Holyrood Unit 3 available at 120 MW (150 MW).
- D At 1916 hours, January 20, 2018, Holyrood Unit 1 unavailable 140 MW (170 MW).

Section 2

Island Interconnected Supply and Demand

Sun, Jan 21, 2018	Island System Outlook <sup>3</sup>		Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
				Morning	Evening	Forecast	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>	1,775	MW	Sunday, January 21, 2018	0	-6	1,560	1,451
NLH Generation: <sup>4</sup>	1,450	MW	Monday, January 22, 2018	-8	-8	1,685	1,574
NLH Power Purchases: <sup>6</sup>	130	MW	Tuesday, January 23, 2018	-8	-5	1,620	1,426
Maritime Link Imports:	-	MW	Wednesday, January 24, 2018	-1	4	1,440	1,268
Other Island Generation:	195	MW	Thursday, January 25, 2018	-1	-3	1,525	1,416
Current St. John's Temperature & Windchill: 0 °C	-8	°C	Friday, January 26, 2018	-5	-5	1,500	1,377
7-Day Island Peak Demand Forecast:	1,685	MW	Saturday, January 27, 2018	-7	-8	1,635	1,525

Supply Notes For January 21, 2018

- Notes:
- 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.
  - 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.
  - As of 0800 Hours.
  - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
  - Gross output from all Island sources (including Note 4).
  - NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation, Vale capacity assistance (when applicable).
  - 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

Sat, Jan 20, 2018	Actual Island Peak Demand <sup>9</sup>	17:10	1,489 MW
Sun, Jan 21, 2018	Forecast Island Peak Demand		1,560 MW

Notes: 9. 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).