

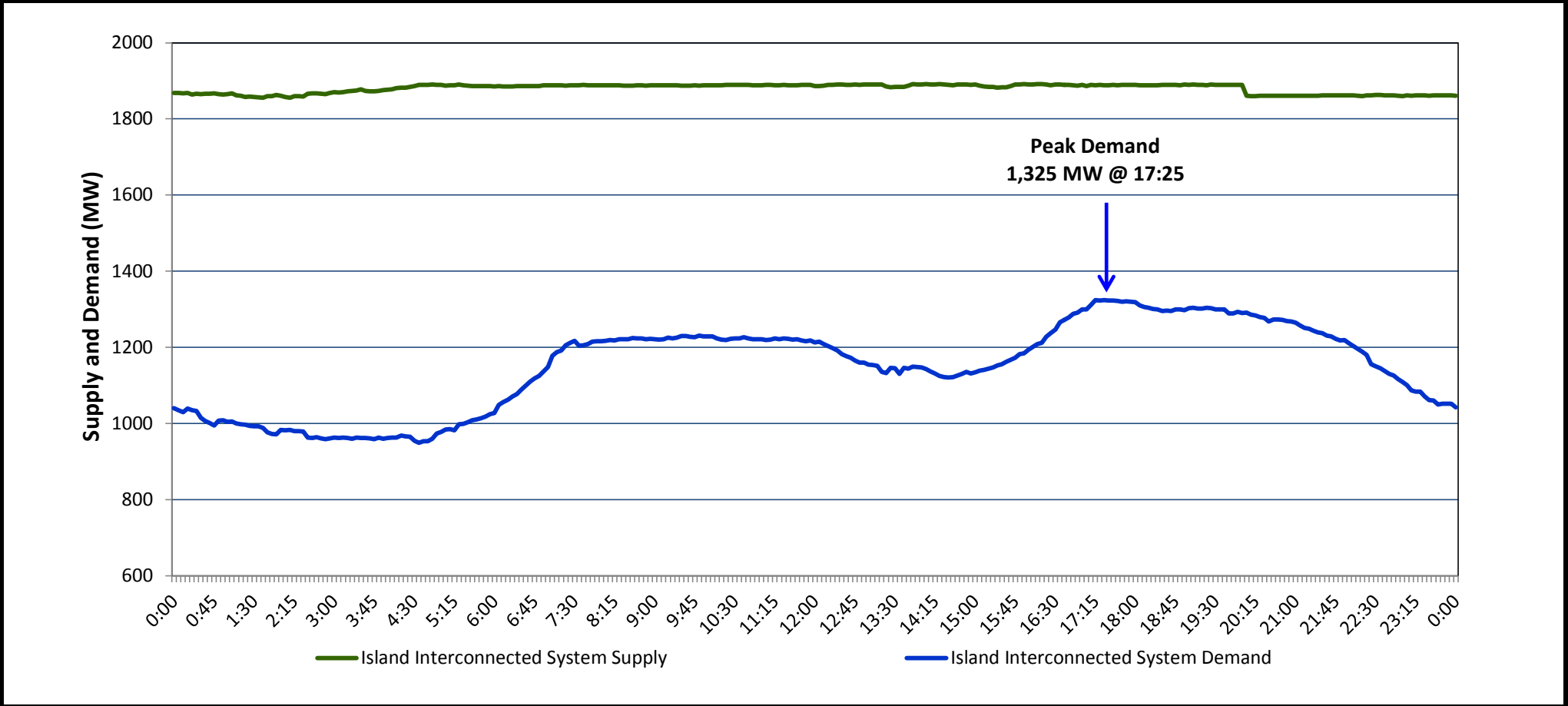
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Wednesday, January 21, 2015 (Revised - Jan. 23, 2015)

Section 1

Island Interconnected System Supply and Demand

Actual 24 Hour System Performance For Tuesday, January 20, 2015



- Supply Notes for January 20, 2015<sup>1,2</sup>**
- A** As of 1000 hours, November 21, 2014, Nalcor Exploits Unit 4 unavailable due to a forced outage (30 MW). Net impact to system 4 MW (the excess water utilised by other Nalcor Grand Falls Units 5 to 8).
- B** As of 1315 hours, December 15, 2014, the Stephenville Gas Turbine End 'B' unavailable (25 MW).
- C** As of 0730 hours, January 07, 2015, the Nalcor Grand Falls plant derating (ice conditions) has been updated to a 3 MW net impact loss to the system.
- D** At 2001 hours, January 20, 2015, Nalcor Exploits Unit 9 tripped offline and is unavailable (30 MW).

Section 2

Island Interconnected Supply and Demand

Wed, Jan 21, 2015      Island System Outlook <sup>3</sup>			Temperature (°C)		Island System Daily Peak Demand (MW)	
Seven-Day Forecast			Morning	Evening	Forecast	Adjusted <sup>6</sup>
Available Island System Supply: <sup>5</sup>	1,885	MW	Wednesday, January 21, 2015		1,375	1,280
NLH Generation: <sup>4</sup>	1,545	MW	Thursday, January 22, 2015		1,465	1,370
NLH Power Purchases:	125	MW	Friday, January 23, 2015		1,550	1,450
Other Island Generation:	215	MW	Saturday, January 24, 2015		1,470	1,375
Current St. John's Temperature:	1	°C	Sunday, January 25, 2015		1,445	1,350
Current St. John's Windchill:	N/A	°C	Monday, January 26, 2015		1,490	1,395
7-Day Island Peak Demand Forecast:	1,550	MW	Tuesday, January 27, 2015		1,425	1,330

Supply Notes for January 21, 2015<sup>3</sup>

- 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 Interconnected System being isolated from 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 underfrequency load shedding, is necessary to ensure the integrity and reliability of system equipment. Underfrequency 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).
  - Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.

Section 3

Island Peak Demand Information

Previous Day Actual Peak and Current Day Forecast Peak

Tue, Jan 20, 2015	Actual Island Peak Demand <sup>7</sup>	17:25	1,325 MW
Wed, Jan 21, 2015	Forecast Island Peak Demand		1,375 MW

Notes: 7. Island Demand is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).