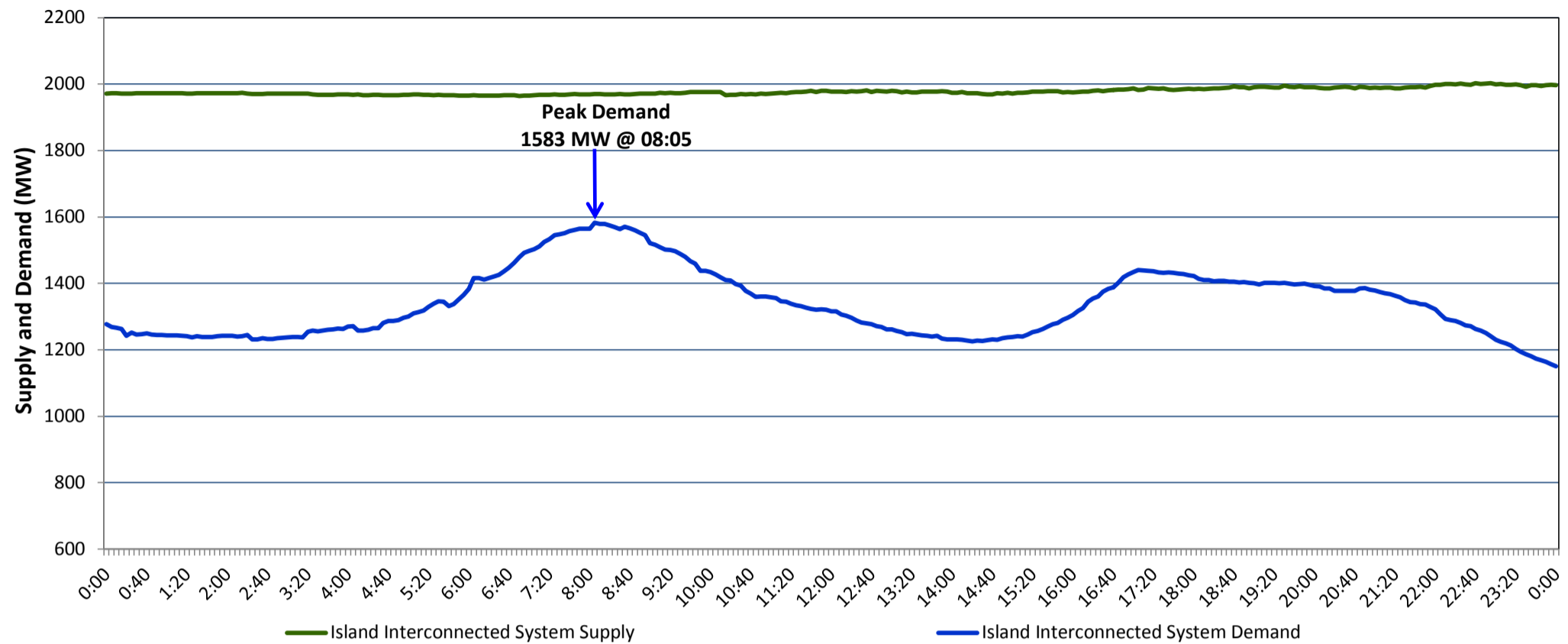


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Thursday, January 12, 2017

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Wednesday, January 11, 2017



#### Supply Notes For January 11, 2017

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- A As of 1956 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.
- B As of 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).
- C As of 1719 hours, September 09, 2016, Nalcor Exploits Bishop's Falls plant unit 9 unavailable. No net impact to the Island Interconnected System.
- D As of 2132 hours, October 10, 2016, Nalcor Exploits Bishop's Falls plant unit 8 unavailable. No net impact to the Island Interconnected System.
- E As of 1920 hours, December 29, 2016, Holyrood Unit 1 derated to 160 MW (170 MW).

### Section 2 Island Interconnected Supply and Demand

Thu, Jan 12, 2017	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>	1,920 MW	Thursday, January 12, 2017	-2	2	1,390	1,289
NLH Generation: <sup>4</sup>	1,590 MW	Friday, January 13, 2017	6	1	1,345	1,244
NLH Power Purchases: <sup>6</sup>	135 MW	Saturday, January 14, 2017	-10	-10	1,690	1,585
Other Island Generation:	195 MW	Sunday, January 15, 2017	-9	-6	1,615	1,511
Current St. John's Temperature:	-2 °C	Monday, January 16, 2017	-8	-10	1,665	1,561
Current St. John's Windchill:	-7 °C	Tuesday, January 17, 2017	-6	-8	1,630	1,526
7-Day Island Peak Demand Forecast:	1,690 MW	Wednesday, January 18, 2017	-10	-8	1,625	1,521

#### Supply Notes For January 12, 2017

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- F At 0756 hours, January 12, 2017, Cat Arm Unit 1 unavailable (67 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 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 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, Vale capacity assistance (when applicable), and Wind Generation.
  7. Adjusted for CBP&P and Praxair interruptible load as well as the impact of voltage reduction, when applicable.

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

Wed, Jan 11, 2017	Actual Island Peak Demand <sup>8</sup>	08:05	1,583 MW
Thu, Jan 12, 2017	Forecast Island Peak Demand		1,390 MW

- Notes: 8. 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).