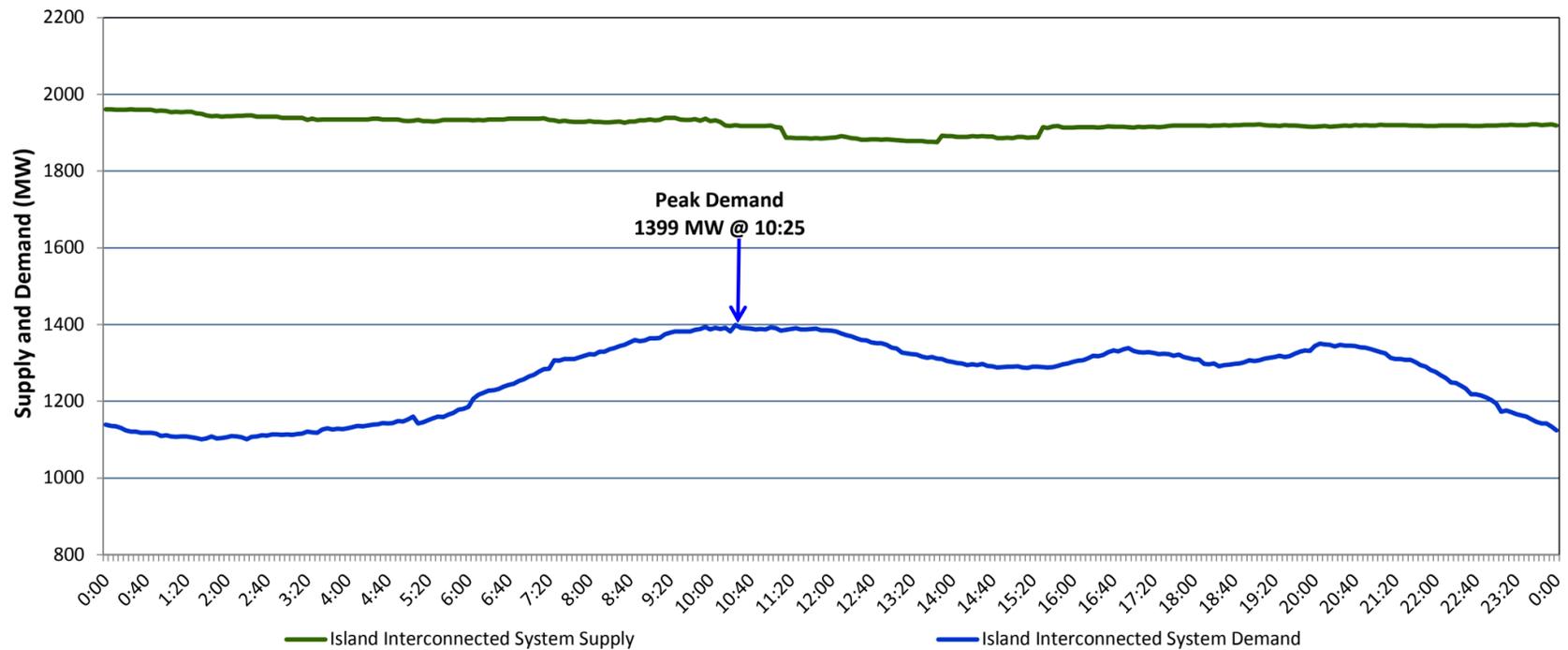


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, April 04, 2017

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Monday, April 03, 2017



#### Supply Notes For April 03, 2017

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- A As of 0829 hours, March 31, 2017, Holyrood Unit 1 available at 135 MW (170 MW).
- B As of 0829 hours, March 31, 2017, Holyrood Unit 2 available at 135 MW (170 MW).
- C As of 0829 hours, March 31, 2017, Holyrood Unit 3 available at 135 MW (150 MW).
- D At 1112 hours, April 03, 2017, Stephenville Gas Turbine unavailable 25 MW (50 MW).
- E At 1526 hours, April 03, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).

### Section 2 Island Interconnected Supply and Demand

Tue, Apr 04, 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>	1,905 MW	Tuesday, April 04, 2017	0	-1	1,430	1,430
NLH Generation: <sup>4</sup>	1,585 MW	Wednesday, April 05, 2017	-1	-3	1,360	1,360
NLH Power Purchases: <sup>6</sup>	115 MW	Thursday, April 06, 2017	-5	-1	1,365	1,365
Other Island Generation:	205 MW	Friday, April 07, 2017	-1	2	1,275	1,275
Current St. John's Temperature:	-1 °C	Saturday, April 08, 2017	7	5	1,025	1,025
Current St. John's Windchill:	-8 °C	Sunday, April 09, 2017	3	3	1,080	1,080
7-Day Island Peak Demand Forecast:	1,430 MW	Monday, April 10, 2017	5	3	1,120	1,120

#### Supply Notes For April 04, 2017

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- 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, Praxair and Vale 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

Mon, Apr 03, 2017	Actual Island Peak Demand <sup>8</sup>	10:25	1,399 MW
Tue, Apr 04, 2017	Forecast Island Peak Demand		1,430 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).