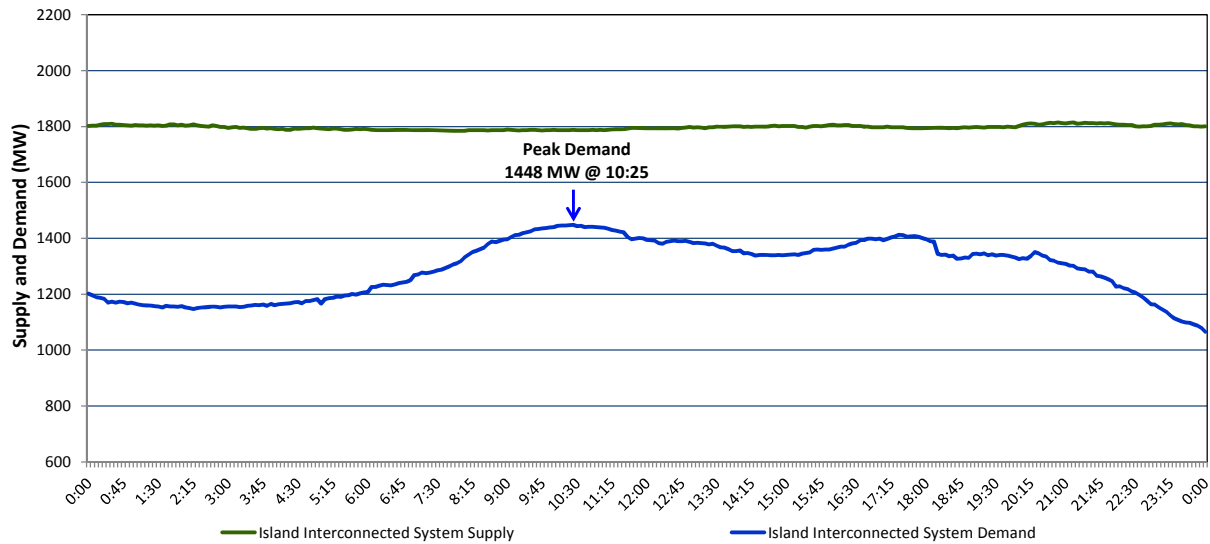


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, February 01, 2016

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Sunday, January 31, 2016



#### Supply Notes For January 31, 2016

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- A** As of 1437 hours, December 12, 2015, Holyrood Unit 1 available. Derated to 155 MW (170 MW).  
**B** As of 1956 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.  
**C** As of 1538 hours, January 19, 2016, Holyrood Unit 2 unavailable. Previously derated to 70 MW (170 MW).

### Section 2 Island Interconnected Supply and Demand

Mon, Feb 01, 2016      Island System Outlook <sup>3</sup>			Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
				Morning	Evening	Forecast	Adjusted <sup>6</sup>
Available Island System Supply: <sup>5</sup>	1,715	MW	Monday, February 01, 2016	0	4	1,320	1,225
NLH Generation: <sup>4</sup>	1,430	MW	Tuesday, February 02, 2016	2	-3	1,410	1,314
NLH Power Purchases: <sup>7</sup>	80	MW	Wednesday, February 03, 2016	-9	-4	1,535	1,437
Other Island Generation:	205	MW	Thursday, February 04, 2016	-2	6	1,370	1,274
Current St. John's Temperature:	1	°C	Friday, February 05, 2016	3	0	1,270	1,175
Current St. John's Windchill:	N/A	°C	Saturday, February 06, 2016	-2	-5	1,415	1,318
7-Day Island Peak Demand Forecast:	1,535	MW	Sunday, February 07, 2016	-6	-3	1,380	1,284

#### Supply Notes For February 01, 2016

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**D** At 0744 hours, February 01, 2016, Bay d'Espoir Unit #5 unavailable (76.5 MW).

- 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 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).
  - Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.
  - NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance, and Wind Generation.

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

Sun, Jan 31, 2016	Actual Island Peak Demand <sup>8</sup>	10:25	1,448 MW
Mon, Feb 01, 2016	Forecast Island Peak Demand		1,320 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).