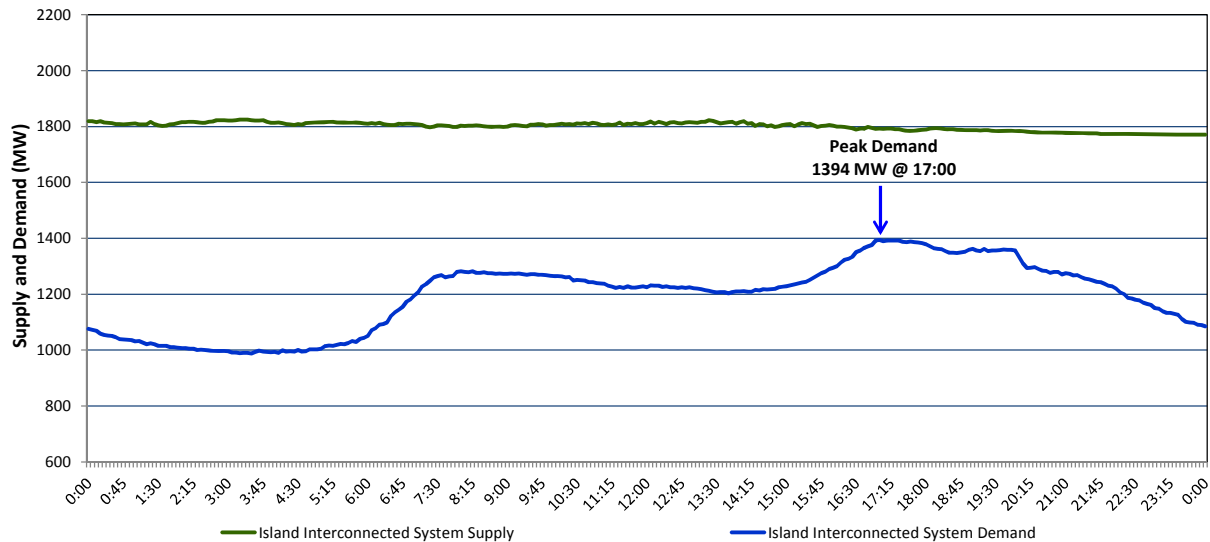


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, January 13, 2016

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Tuesday, January 12, 2016



#### Supply Notes For January 12, 2016

- A** As of 1200 hours, November 06, 2015, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.
- B** As of 1437 hours, December 12, 2015, Holyrood Unit 1 available. Derated to 155 MW (170 MW).
- C** As of 0428 hours, January 06, 2016, Holyrood Unit 2 unavailable (170 MW).

### Section 2 Island Interconnected Supply and Demand

Wed, Jan 13, 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>	1,800	MW	Wednesday, January 13, 2016		-5	2	1,485	1,388
NLH Generation: <sup>4</sup>	1,510	MW	Thursday, January 14, 2016		-1	-3	1,505	1,407
NLH Power Purchases:	80	MW	Friday, January 15, 2016		-4	-5	1,495	1,398
Other Island Generation:	210	MW	Saturday, January 16, 2016		-5	-3	1,380	1,284
Current St. John's Temperature:	-5	°C	Sunday, January 17, 2016		2	-1	1,400	1,304
Current St. John's Windchill:	-12	°C	Monday, January 18, 2016		-1	-2	1,450	1,353
7-Day Island Peak Demand Forecast:	1,505	MW	Tuesday, January 19, 2016		-2	-1	1,475	1,378

#### Supply Notes For January 13, 2016

**D** At 0421 hours, January 13, 2016, Nalcor Exploits Grand Falls unavailable. Net impact to the Island Interconnected System is 45 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 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 12, 2016	Actual Island Peak Demand <sup>7</sup>	17:00	1,394 MW
Wed, Jan 13, 2016	Forecast Island Peak Demand		1,485 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).