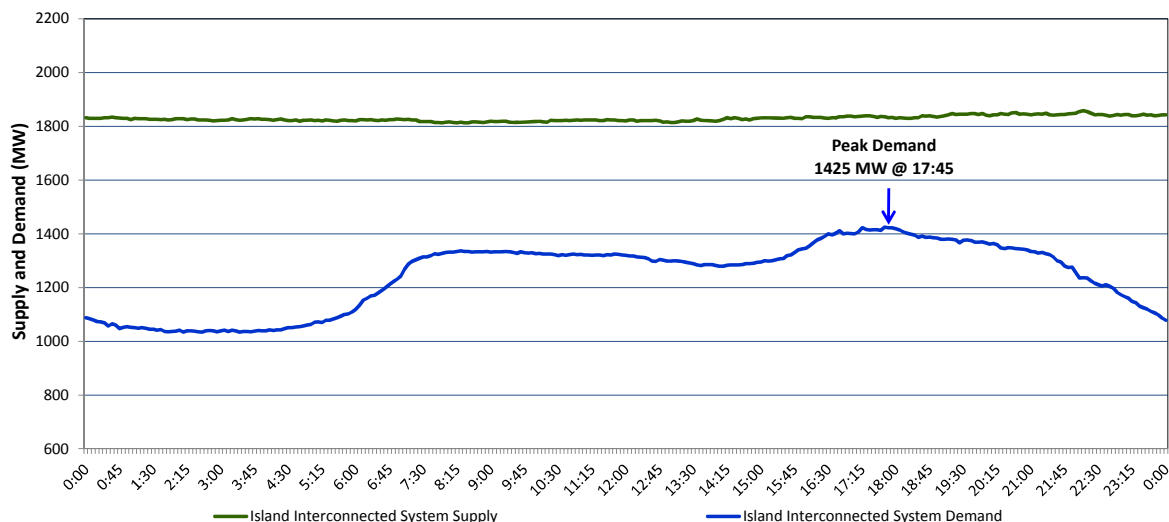


# Newfoundland Labrador Hydro (NLH)

## Supply and Demand Status Report Filed Wednesday, December 16, 2015

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Tuesday, December 15, 2015



#### Supply Notes For December 15, 2015

- 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 0900 hours, December 13, 2015, St. Anthony Diesel Unit 2003 unavailable (1 MW).
- D** As of 2323 hours, December 14, 2015, Holyrood Unit 2 unavailable (170 MW).
- E** At 1000 hours, December 15, 2015, St. Anthony Diesel Unit 229 unavailable (1 MW).

### Section 2 Island Interconnected Supply and Demand

Wed, Dec 16, 2015 Island System Outlook <sup>3</sup>			Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted <sup>6</sup>
Available Island System Supply: <sup>5</sup>	1,810	MW	Wednesday, December 16, 2015		1,430	1,343
NLH Generation: <sup>4</sup>	1,465	MW	Thursday, December 17, 2015		1,470	1,383
NLH Power Purchases:	130	MW	Friday, December 18, 2015		1,415	1,328
Other Island Generation:	215	MW	Saturday, December 19, 2015		1,300	1,215
Current St. John's Temperature:	-1	°C	Sunday, December 20, 2015		1,445	1,358
Current St. John's Windchill:	-8	°C	Monday, December 21, 2015		1,445	1,358
7-Day Island Peak Demand Forecast:	1,470	MW	Tuesday, December 22, 2015		1,300	1,215

#### Supply Notes For December 16, 2015

- F** At 0709 hours, December 16, 2015, Granite Canal Unit unavailable (40 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, Dec 15, 2015	Actual Island Peak Demand <sup>7</sup>	17:45	1,425 MW
Wed, Dec 16, 2015	Forecast Island Peak Demand		1,430 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).