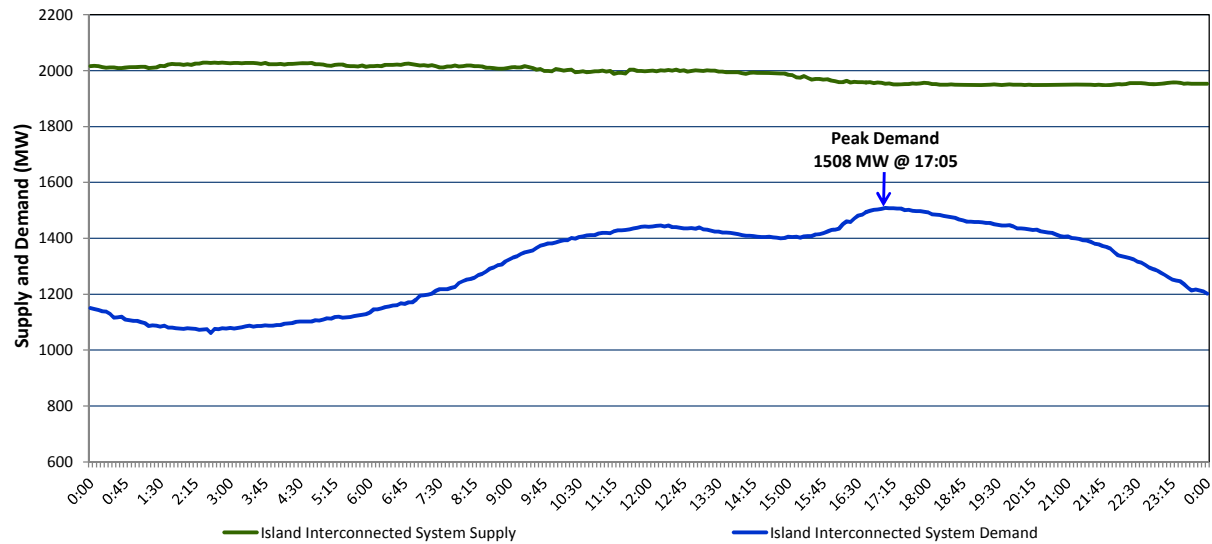


# Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, December 29, 2015

## Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Sunday, December 27, 2015



### Supply Notes For December 27, 2015

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- 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 1000 hours, December 15, 2015, St. Anthony Diesel Unit 229 unavailable (1 MW).

## Section 2 Island Interconnected Supply and Demand

Mon, Dec 28, 2015      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>	1,975	MW	Monday, December 28, 2015		-7	-10	1,630	1,531
NLH Generation: <sup>4</sup>	1,675	MW	Tuesday, December 29, 2015		-12	-9	1,640	1,541
NLH Power Purchases:	95	MW	Wednesday, December 30, 2015		-9	-8	1,545	1,447
Other Island Generation:	205	MW	Thursday, December 31, 2015		-8	-2	1,535	1,437
Current St. John's Temperature:	-7	°C	Friday, January 01, 2016		0	-2	1,415	1,318
Current St. John's Windchill:	-13	°C	Saturday, January 02, 2016		-7	-3	1,520	1,422
7-Day Island Peak Demand Forecast:	1,640	MW	Sunday, January 03, 2016		-2	-3	1,470	1,373

### Supply Notes For December 28, 2015

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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 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.
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. 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

Sun, Dec 27, 2015	Actual Island Peak Demand <sup>7</sup>	17:05	1,508 MW
Mon, Dec 28, 2015	Forecast Island Peak Demand		1,630 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).