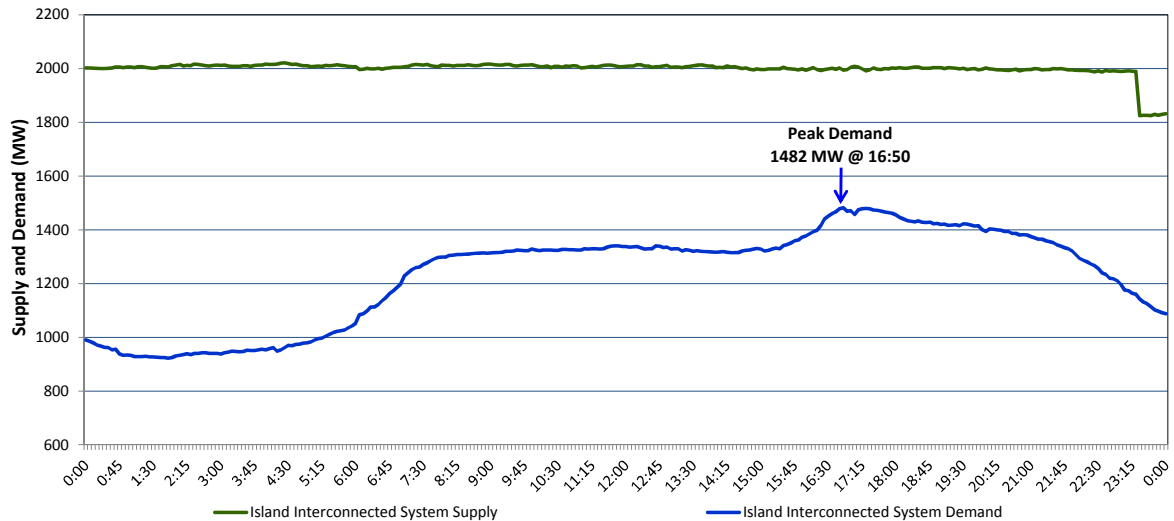


# Newfoundland Labrador Hydro (NLH)

## Supply and Demand Status Report Filed Tuesday, December 15, 2015

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Monday, December 14, 2015



#### Supply Notes For December 14, 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 At 1742 hours, December 14, 2015, St. Anthony Diesel Unit 521 available (1 MW).
- E At 2323 hours, December 14, 2015, Holyrood Unit 2 unavailable (170 MW).

### Section 2 Island Interconnected Supply and Demand

Tue, Dec 15, 2015      Island System Outlook <sup>3</sup>			Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)	
					Morning	Evening		
Available Island System Supply: <sup>5</sup>	1,815	MW	Tuesday, December 15, 2015		0	-1	1,420	1,333
NLH Generation: <sup>4</sup>	1,505	MW	Wednesday, December 16, 2015		-1	-1	1,410	1,324
NLH Power Purchases:	110	MW	Thursday, December 17, 2015		-3	-4	1,390	1,304
Other Island Generation:	200	MW	Friday, December 18, 2015		-4	0	1,455	1,368
Current St. John's Temperature:	-1	°C	Saturday, December 19, 2015		3	-1	1,325	1,240
Current St. John's Windchill:	-7	°C	Sunday, December 20, 2015		-2	-2	1,435	1,348
7-Day Island Peak Demand Forecast:	1,455	MW	Monday, December 21, 2015		0	3	1,375	1,289

#### Supply Notes For December 15, 2015

- 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

Mon, Dec 14, 2015	Actual Island Peak Demand <sup>7</sup>	16:50	1,482 MW
Tue, Dec 15, 2015	Forecast Island Peak Demand		1,420 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).