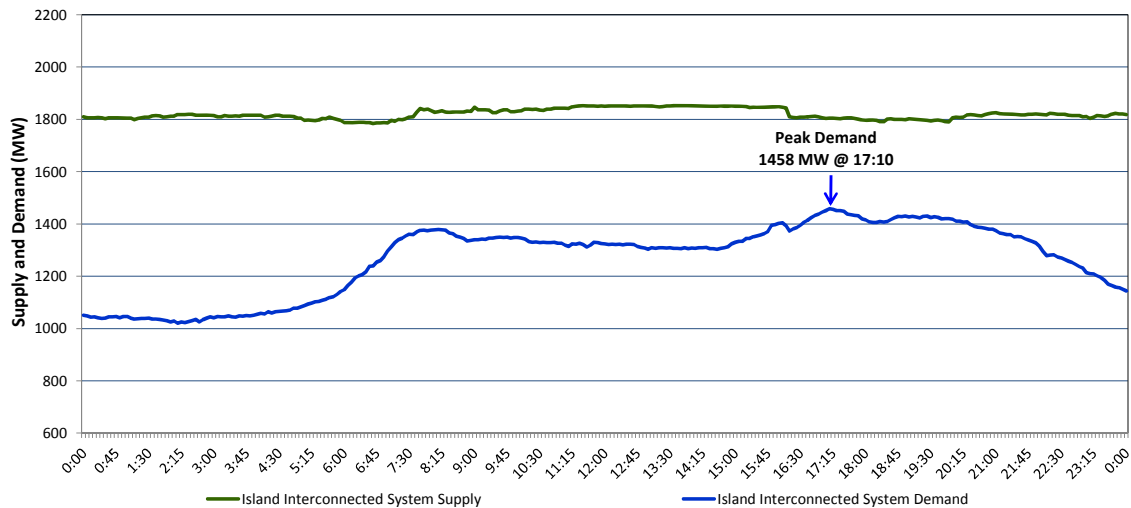


# Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Friday, January 15, 2016

## Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Thursday, January 14, 2016



### Supply Notes For January 14, 2016

- A** As of 1437 hours, December 12, 2015, Holyrood Unit 1 available. Derated to 155 MW (170 MW).  
**B** As of 0428 hours, January 06, 2016, Holyrood Unit 2 unavailable (170 MW).  
**C** At 0738 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 9 available. Net gain to the Island Interconnected System is 30 MW.  
**D** At 0738 hours, January 14, 2016, Nalcor Exploits Grand Falls Units 4, 5, 6, 7 and 8 continue to be unavailable. Net loss to the Island Interconnected System is 15 MW.  
**E** At 1600 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 9 unavailable. Net loss to the Island Interconnected System is 30 MW.  
**F** At 1956 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 4, 5, 6, 8 and 9 available. Net gain to the Island Interconnected System is 45 MW.  
**G** At 1956 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 7 continues to be unavailable. No net impact to the Island Interconnected System.

## Section 2 Island Interconnected Supply and Demand

Fri, Jan 15, 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>	1,820	MW	Friday, January 15, 2016	-5	-5	1,500	1,402
NLH Generation: <sup>4</sup>	1,510	MW	Saturday, January 16, 2016	-5	-4	1,460	1,363
NLH Power Purchases:	105	MW	Sunday, January 17, 2016	-3	-3	1,435	1,338
Other Island Generation:	205	MW	Monday, January 18, 2016	-4	-1	1,470	1,373
Current St. John's Temperature:	-5	°C	Tuesday, January 19, 2016	-2	-3	1,480	1,383
Current St. John's Windchill:	-12	°C	Wednesday, January 20, 2016	-6	-3	1,505	1,407
7-Day Island Peak Demand Forecast:	1,505	MW	Thursday, January 21, 2016	-4	-3	1,450	1,353

### Supply Notes For January 15, 2016

- 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

Thu, Jan 14, 2016	Actual Island Peak Demand <sup>7</sup>	17:10	1,458 MW
Fri, Jan 15, 2016	Forecast Island Peak Demand		1,500 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).