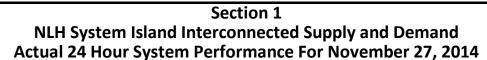
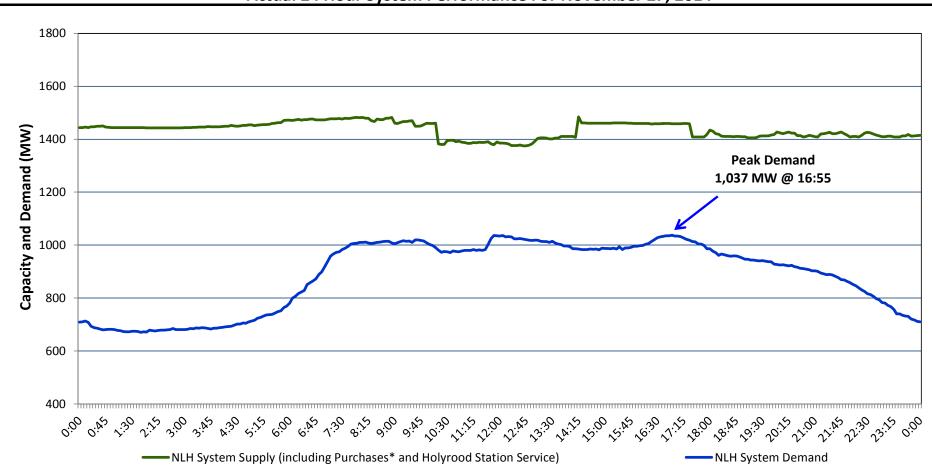
## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed November 28, 2014





## Supply Notes for November 27, 2014

- As of 1100 hours, July 21, 2014, Holyrood Unit 1 removed from service for annual maintenance (170 MW).
- As of 1048 hours, November 10, 2014, Stephenville Gas Turbine End A unavailable due to a forced outage (25 MW).
- → As of 0900 hours, November 20, 2014, Stephenville Gas Turbine End B unavailable due to a forced outage (25 MW).
- As of 1000 hours, November 21, 2014, Nalcor Exploits Unit 4 unavailable due to a forced outage (30 MW).
- At 0904 hours, November 27, 2014, Bay d'Espoir Unit 4 removed from service for maintenance. Unit returned to service at 1407 hours (76.5 MW).

\* Purchases include Nalcor Exploits, Star Lake, Rattle Brook, CBPP Co-Gen, Wind Generation and DLP Secondary

→ At 1725 hours, November 27, 2014, Hardwoods Gas Turbine unavailable due to a forced outage (50 MW)

Section 2  NLH System Island Interconnected Supply and Demand									
November 28, 2014 NLH System Outlook <sup>3</sup>		Five-Day Forecast	•	Temperature (°C)		NLH System Demand (MW)			
				Morning	Evening	Morning	Evening		
Available NLH System Supply: <sup>4</sup>	1,390	MW	Friday, November 28, 2014	1	0	1,050	1,175		
Current St. John's Temperature:	0	°C	Saturday, November 29, 2014	-1	-4	1,125	1,200		
Current St. John's Windchill:	N/A	°C	Sunday, November 30, 2014	-6	-1	1,100	1,150		
NLH System Peak Demand Forecast:	1,175	MW	Monday, December 01, 2014	3	5	1,050	1,000		
			Tuesday, December 02, 2014	7	4	1,000	1,100		

## Supply Notes for November 28, 2014<sup>3</sup>

Notasi

- 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
- Gross output including station service at Holyrood (24.5 MW) and improved hydraulic output due to water levels (35 MW). Includes Nalcor Exploits, Star Lake, Rattle Brook, CBPP Co-Gen. Excludes wind generation and DLP Secondary.

Section 3 Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak						
November 28, 2014	Forecast NLH System Island Interconnected Peak Demand		1,175 MW			
November 27, 2014	Actual Total Island Peak Demand <sup>2</sup>	11:35	1,210 MW			
November 28, 2014	Forecast Total Island Peak Demand		1,300 MW			

- Notes: 1. NLH System Island Interconnected is supplied by generation owned by NLH as well as NLH Power Purchases as detailed in Section 1 above.
  - 2. Total Island System Demand is supplied by NLH generation and NLH Power Purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper to meet their respective supply needs.