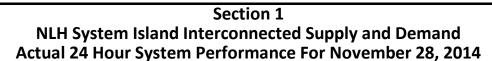
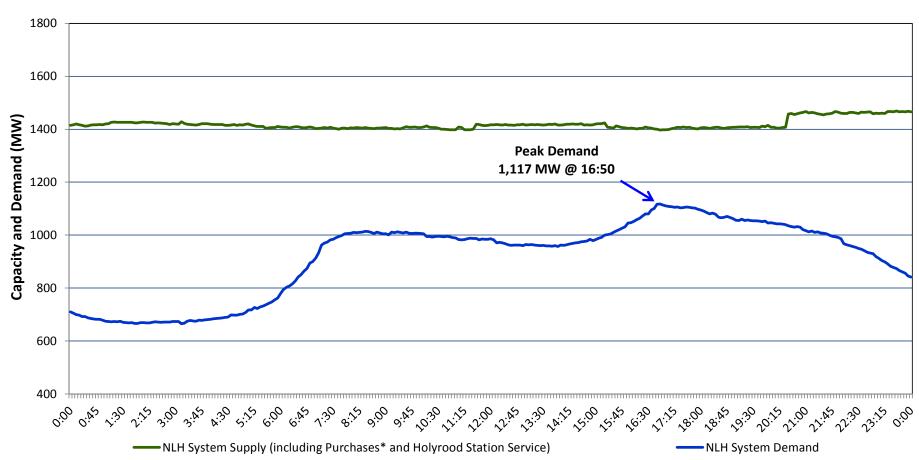
## **Newfoundland Labrador Hydro (NLH)** Supply and Demand Status Report Filed December 01, 2014





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

## Supply Notes for November 28, 2014

- As of 1100 hours, July 21, 2014, Holyrood Unit 1 removed from service for annual maintenance (170 MW).
- As of 1000 hours, November 21, 2014, Nalcor Exploits Unit 4 unavailable due to a forced outage (30 MW).
- As of 1725 hours, November 27, 2014, Hardwoods Gas Turbine unavailable due to a forced outage (50 MW).
- At 1516 hours, November 28, 2014, the Star Lake Unit tripped offline (18 MW). Unit returned to service at 2253 hours.
- At 2030 hours, November 28, 2014, Stephenville Gas Turbine End A available for service (25 MW).
- At 2030 hours, November 28, 2014, Stephenville Gas Turbine End B available for service (25 MW).

Section 2 NLH System Island Interconnected Supply and Demand										
November 29, 2014 NLH System Outlook <sup>3</sup>		Five-Day Forecast	Temperature (°C)		NLH System Demand (MW)					
				Morning	Evening	Morning	Evening			
Available NLH System Supply:4	1,445	MW	Saturday, November 29, 2014	0	-2	1,100	1,200			
Current St. John's Temperature:	-3	°C	Sunday, November 30, 2014	-8	-1	1,150	1,175			
Current St. John's Windchill:	-8	°C	Monday, December 01, 2014	5	9	1,000	950			
NLH System Peak Demand Forecast:	1,200	MW	Tuesday, December 02, 2014	9	-4	1,025	1,200			
			Wednesday, December 03, 2014	-6	-3	1,200	1,225			

## Supply Notes for November 29, 2014<sup>3</sup>

- 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 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	Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	16:50	1,117 MW				
November 29, 2014	Forecast NLH System Island Interconnected Peak Demand		1,200 MW				
November 28, 2014	Actual Total Island Peak Demand <sup>2</sup>	17:35	1,279 MW				
November 29, 2014	Forecast Total Island Peak Demand		1,375 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.