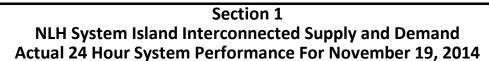
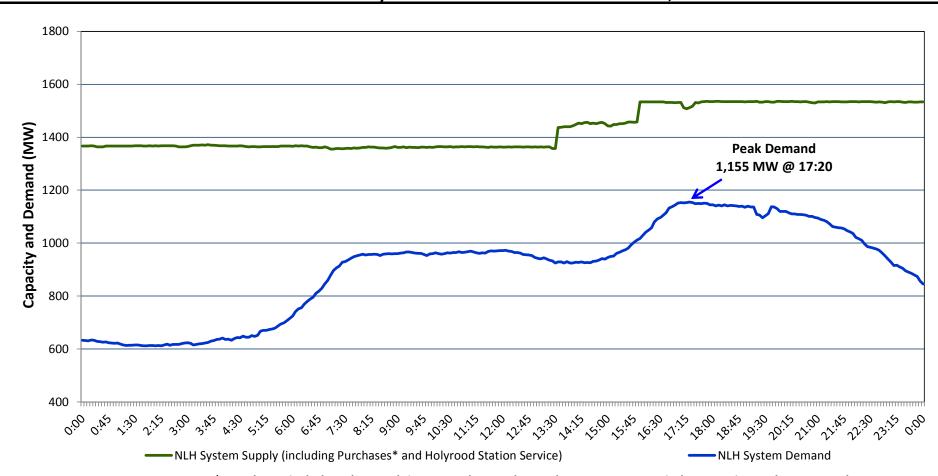
# Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed November 20, 2014





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

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### Supply Notes for November 19, 2014

- As of 1100 hours, July 21, 2014, Holyrood Unit 1 removed from service for annual maintenance (170 MW).
- As of 0826 hours, October 04, 2014, Stephenville Gas Turbine End B removed from service. Previously derated to 18 MW (25 MW).
- → As of 1048 hours, November 10, 2014, Stephenville Gas Turbine End A unavailable due to a forced outage (25 MW).
- → As of 2000 hours, November 15, 2014, CBPP Capacity assistance available (60 MW).
- → As of 1615 hours, November 16, 2014, Holyrood Unit 2 derating updated to 156 MW (170 MW).
- → At 1333 hours, November 19, 2014, Bay d'Espoir Unit 6 returned to service (76.5 MW).
- → At 1559 hours, November 19, 2014, Bay d'Espoir Unit 5 returned to service (76.5 MW).

Section 2  NLH System Island Interconnected Supply and Demand								
November 20, 2014 NLH System Outlook <sup>3</sup>		ook <sup>3</sup>	Five-Day Forecast	•	Temperature (°C)		NLH System Demand (MW)	
				Morning	Evening	Morning	<b>Evening</b>	
Available NLH System Supply:4	1,465	MW	Thursday, November 20, 2014	-1	-1	1,050	1,150	
Current St. John's Temperature:	-2	°C	Friday, November 21, 2014	5	4	975	1,050	
Current St. John's Windchill:	-9	°C	Saturday, November 22, 2014	-3	-2	1,100	1,200	
NLH System Peak Demand Forecast:	1,150	MW	Sunday, November 23, 2014	-1	3	1,025	1,050	
			Monday, November 24, 2014	-1	3	1,100	1,100	

# Supply Notes for November 20, 2014<sup>3</sup>

At 0737 hours, November 20, 2014, the Star Lake Unit removed from service for a planned outage (18 MW).

S: 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 19, 2014	Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	17:20	1,155 MW
								November 20, 2014	Forecast NLH System Island Interconnected Peak Demand		1,150 MW
November 19, 2014	Actual Total Island Peak Demand <sup>2</sup>	17:40	1,311 MW								
November 20, 2014	Forecast Total Island Peak Demand		1.275 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.