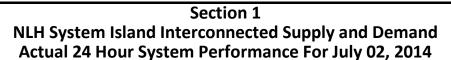
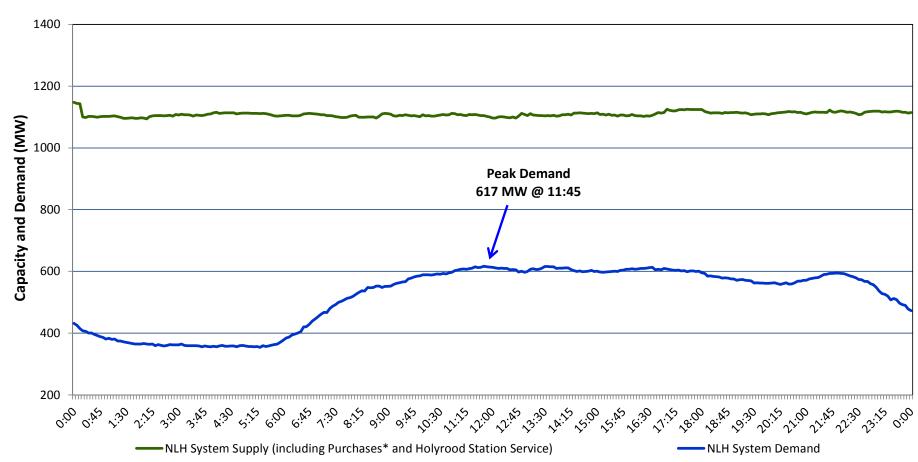
## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed July 03, 2014





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

## Supply Notes for July 02, 2014

- → As of 0422 hours, Feb. 17, 2014, Bay d'Espoir Unit 6 (77 MW) unavailable for service.
- As of 1717 hours, April 10, 2014, Holyrood Unit 3 removed from service for annual maintenance (150 MW).
- → As of 0800 hours, May 21, 2014, Holyrood Unit 2 removed from service for annual maintenance (165 MW).
- As of 1554 hours, May 24, 2014, Bay d'Espoir Unit 3 removed from service for annual maintenance (76.5 MW).
- → As of 0858 hours, June 13, 2014, Stephenville Gas Turbine End A removed from service for annual maintenance (25 MW).
- → As of 0810 hours, June 23, 2014, Star Lake Unit removed from service for annual maintenance (18 MW).
- $\rightarrow$  At 0010 hours, July 02, 2014, Hardwoods Gas Turbine tripped offline and is unavailable (50 MW).

Section 2  NLH System Island Interconnected Supply and Demand										
		Five-Day Forecast	Temperature (°C)		NLH System Demand (MW)					
				Morning	Evening	Morning	Evening			
Available NLH System Supply:4	1,075	MW	Thursday, July 03, 2014	19	22	600	625			
Current St. John's Temperature:	17	°C	Friday, July 04, 2014	17	22	625	575			
Current St. John's Windchill:	N/A	°C	Saturday, July 05, 2014	14	19	575	550			
NLH System Peak Demand Forecast:	625	MW	Sunday, July 06, 2014	13	12	625	550			
			Monday, July 07, 2014	13	15	625	625			

## Supply Notes for July 03, 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						
July 2, 2014	Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	11:45	617 MW			
July 3, 2014	Forecast NLH System Island Interconnected Peak Demand		625 MW			
July 2, 2014	Actual Total Island Peak Demand <sup>2</sup>	11:25	769 MW			
July 3, 2014	Forecast Total Island Peak Demand		750 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.