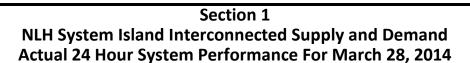
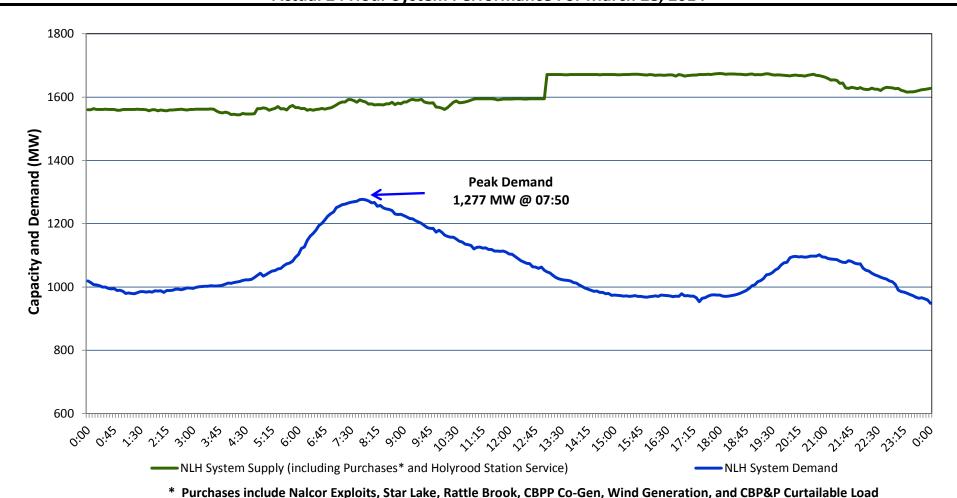
## **Newfoundland Labrador Hydro (NLH)** Supply and Demand Status Report Filed March 31, 2014





## Supply Notes for March 28, 2014

- As of 0422 hours, Feb. 17, 2014, Bay d'Espoir Unit 6 (77 MW) unavailable for service.
- As of 0627 hours, March 17, 2014, Holyrood Unit 1 derated to 150 MW from 170 MW.
- As of 1255 hours, Bay d'Espoir Unit 2 (77 MW) returned to service from a forced outage.

Section 2  NLH System Island Interconnected Supply and Demand									
March 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: <sup>4</sup>	1,620	MW	Saturday, March 29, 2014	-4	1	1,100	1,050		
Current St. John's Temperature:	-1	°C	Sunday, March 30, 2014	-4	-5	1,150	1,125		
Current St. John's Windchill:	-7	°C	Monday, March 31, 2014	-7	-4	1,225	1,175		
NLH System Peak Demand Forecast:	1,100	MW	Tuesday, April 01, 2014	-4	0	1,200	1,125		
			Wednesday, April 02, 2014	-2	0	1,125	1,100		

## Supply Notes for March 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, and CBPP Curtailable Load (60 MW). Excludes wind generation.

Section 3 Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak							
March 28, 2014	Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	07:50	1,277 MW				
March 29, 2014	Forecast NLH System Island Interconnected Peak Demand		1,100 MW				
March 28, 2014	Actual Total Island Peak Demand <sup>2</sup>	07:50	1,447 MW				
March 29, 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.