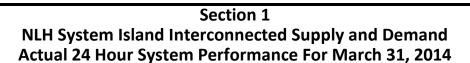
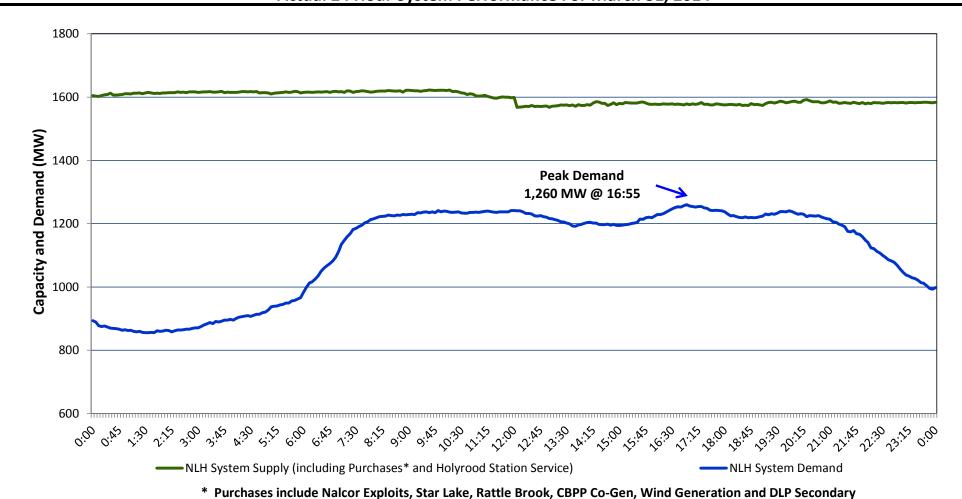
## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed April 01, 2014





## Supply Notes for March 31, 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 1110 hours, March 30, 2014, Exploits Generation Unit 4 unavailable due to a planned outage (25 MW).
- → As of 1201 hours, March 31, 2014, The CBP&P arrangement for 60 MW curtailable load has expired.

## **Section 2** NLH System Island Interconnected Supply and Demand Temperature **NLH System Demand NLH System Outlook**<sup>3</sup> **April 1, 2014** (°C) Five-Day Forecast (MW) Evening Morning Evening Morning Available NLH System Supply:4 1,200 1,535 MW Tuesday, April 01, 2014 1,150 $^{\circ}$ C 0 -2 -3 Wednesday, April 02, 2014 1,150 1,125 Current St. John's Temperature: °C Current St. John's Windchill: -12 Thursday, April 03, 2014 -1 1,200 1,100 NLH System Peak Demand Forecast: 1,200 MW Friday, April 04, 2014 -5 -2 1,200 1,075 Saturday, April 05, 2014 -1 1,200 1,075

## Supply Notes for April 01, 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			
March 31, 2014	Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	16:55	1,260 MW
April 1, 2014	Forecast NLH System Island Interconnected Peak Demand		1,200 MW
March 31, 2014	Actual Total Island Peak Demand <sup>2</sup>	09:55	1,373 MW
April 1, 2014	Forecast Total Island Peak Demand		1,350 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.