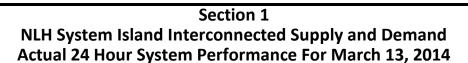
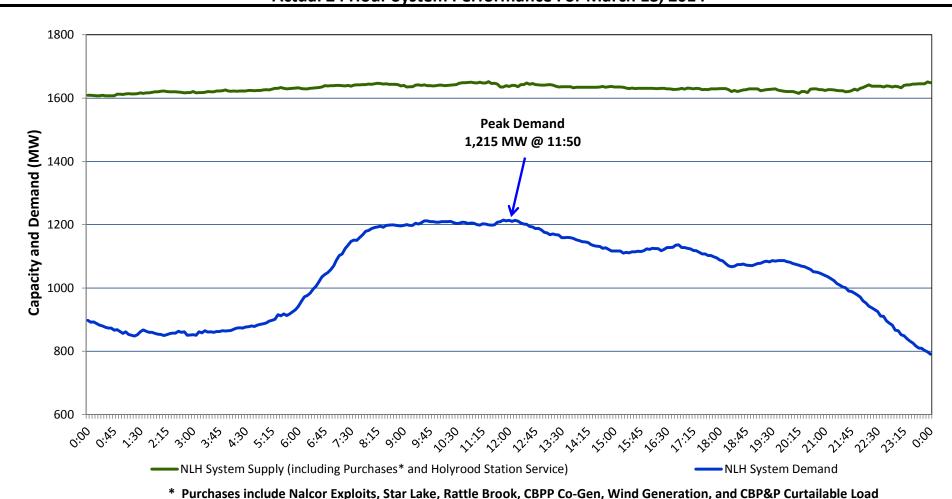
## **Newfoundland Labrador Hydro (NLH)** Supply and Demand Status Report Filed March 14, 2014





## Supply Notes for March 13, 2014

- As of 1750 hours, Feb. 13, 2014, Holyrood Unit 1 (170 MW) derated to 140 MW.
- As of 0422 hours, Feb. 17, 2014, Bay d'Espoir Unit 6 (75 MW) unavailable for service.

## **Section 2 NLH System Island Interconnected Supply and Demand** Temperature **NLH System Demand** March 14, 2014 NLH System Outlook<sup>3</sup> (°C) (MW) Five-Day Forecast **Evening** Morning **Evening** Morning Available NLH System Supply:4 1,610 MW Friday, March 14, 2014 1,250 1,275 -8 $^{\circ}$ C -12 Current St. John's Temperature: 2 1,250 1,200 Saturday, March 15, 2014 $^{\circ}$ C 1 1,250 1,050 Current St. John's Windchill: Sunday, March 16, 2014 -10 N/A NLH System Peak Demand Forecast: -6 Monday, March 17, 2014 -8 1,275 1,250 1,275 MW Tuesday, March 18, 2014 1,250 1,350

## Supply Notes for March 14, 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.
  - 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 13, 2014	Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	11:50	1,215 MW
March 14, 2014	Forecast NLH System Island Interconnected Peak Demand		1,275 MW
March 13, 2014	Actual Total Island Peak Demand <sup>2</sup>	9:35	1,381 MW
March 14, 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.