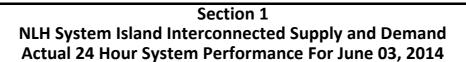
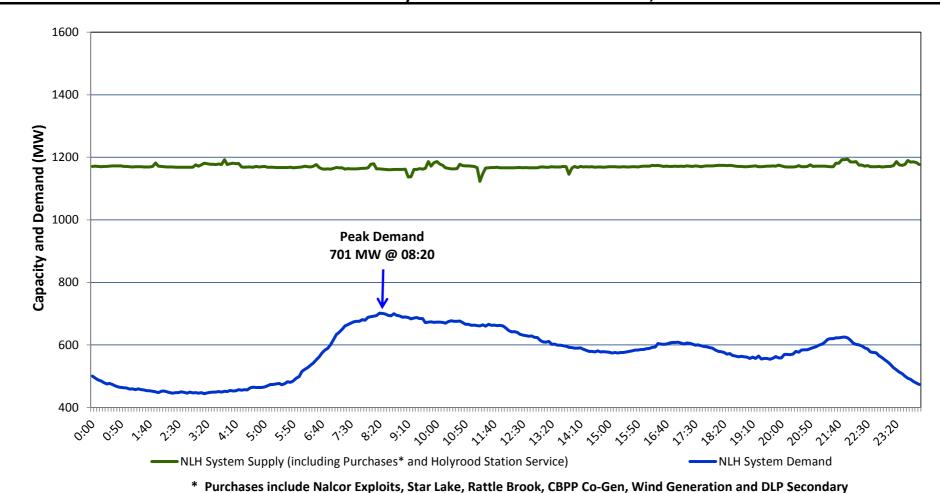
## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed June 04, 2014





## Supply Notes for June 03, 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).

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## Section 2 **NLH System Island Interconnected Supply and Demand** Temperature **NLH System Demand** NLH System Outlook<sup>3</sup> June 4, 2014 (°C) (MW) Five-Day Forecast Morning Evening Morning Evening Available NLH System Supply:4 Wednesday, June 04, 2014 725 1,160 MW 12 650 °C 11 Thursday, June 05, 2014 11 700 Current St. John's Temperature: 7 625 °C Friday, June 06, 2014 12 13 675 625 Current St. John's Windchill: N/A Saturday, June 07, 2014 11 700 NLH System Peak Demand Forecast: 725 MW 11 625 Sunday, June 08, 2014 10 750 675

## Supply Notes for June 04, 2014<sup>3</sup>

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- 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			
June 3, 2014	Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	08:20	701 MW
June 4, 2014	Forecast NLH System Island Interconnected Peak Demand		725 MW
June 3, 2014	Actual Total Island Peak Demand <sup>2</sup>	08:25	851 MW
June 4, 2014	Forecast Total Island Peak Demand		825 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.