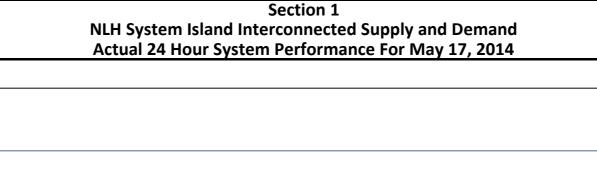
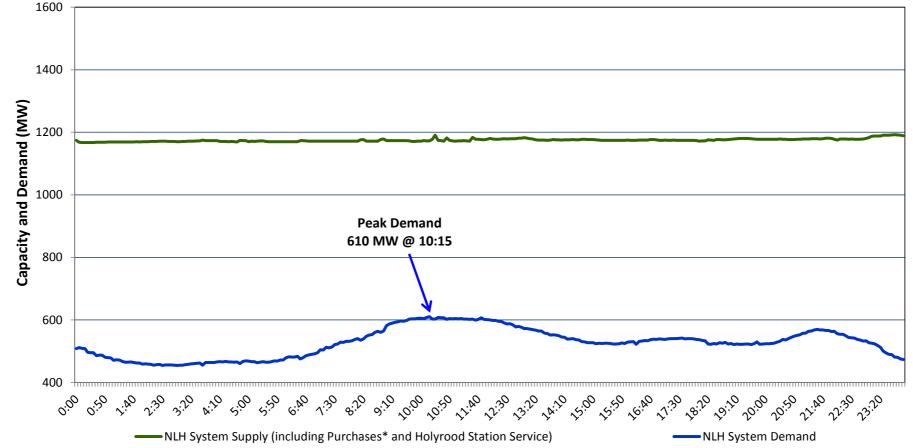
## **Newfoundland Labrador Hydro (NLH)** Supply and Demand Status Report Filed May 20, 2014





## Supply Notes for May 17, 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 1642 hours, May 13, 2014, Bay d'Espoir Unit 1 removed from service for annual maintenance (76.5 MW).
- As of 1520 hours, May 15, 2014, Holyrood Unit 2 (165 MW) status was changed to Standby.

## Section 2 **NLH System Island Interconnected Supply and Demand** Temperature **NLH System Demand** NLH System Outlook<sup>3</sup> May 18, 2014 (°C) (MW) Five-Day Forecast Morning Evening Morning Evening Available NLH System Supply:4 Sunday, May 18, 2014 675 1,170 MW 675 °C Monday, May 19, 2014 Current St. John's Temperature: 7 750 750 °C Tuesday, May 20, 2014 825 800 Current St. John's Windchill: N/A Wednesday, May 21, 2014 NLH System Peak Demand Forecast: 775 675 675 MW 16 Thursday, May 22, 2014 775 725

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

## Supply Notes for May 18, 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.
  - 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.
  - 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			
May 17, 2014	Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	10:15	610 MW
May 18, 2014	Forecast NLH System Island Interconnected Peak Demand		675 MW
May 17, 2014	Actual Total Island Peak Demand <sup>2</sup>	09:30	773 MW
May 18, 2014	Forecast Total Island Peak Demand		850 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.