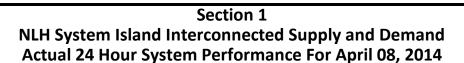
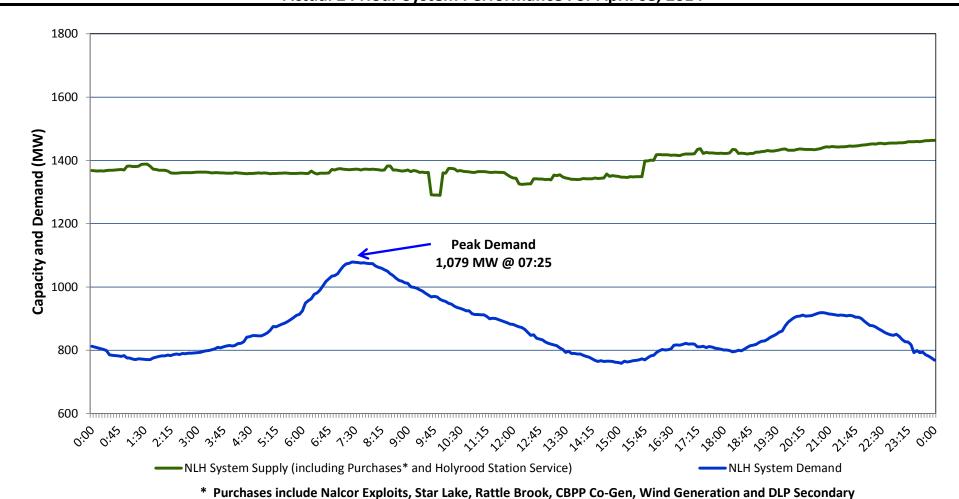
## **Newfoundland Labrador Hydro (NLH)** Supply and Demand Status Report Filed April 09, 2014





## Supply Notes for April 08, 2014

- As of 0422 hours, Feb. 17, 2014, Bay d'Espoir Unit 6 (77 MW) unavailable for service.
- As of 1049 hours, April 04, 2014, Holyrood Unit 1 (170 MW) unavailable due to a planned maintenance outage.
- As of 1000 hours, Holyrood Unit 2 rated at full capability (165 MW) and Holyrood Unit 3 rated at full capability (150 MW).
- At 0934 hours, Cat Arm Unit 2 (67 MW) removed from service for a planned outage. Returned to service at 1543 hours.

## **Section 2 NLH System Island Interconnected Supply and Demand** Temperature **NLH System Demand NLH System Outlook**<sup>3</sup> **April 9, 2014** (°C) Five-Day Forecast (MW) Morning **Evening** Morning Evening Available NLH System Supply:4 1,415 1,100 MW Wednesday, April 09, 2014 900 $^{\circ}$ C -1 Current St. John's Temperature: Thursday, April 10, 2014 1,125 1,125 1 $^{\circ}$ C Current St. John's Windchill: N/A Friday, April 11, 2014 3 1,175 800 Saturday, April 12, 2014 NLH System Peak Demand Forecast: 1,100 MW 5 925 900 Sunday, April 13, 2014 1,000 850

## Supply Notes for April 09, 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. Excludes wind generation and DLP Secondary.

Section 3 Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak			
April 8, 2014	Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	07:25	1,079 MW
April 9, 2014	Forecast NLH System Island Interconnected Peak Demand		1,100 MW
April 8, 2014	Actual Total Island Peak Demand <sup>2</sup>	08:05	1,218 MW
April 9, 2014	Forecast Total Island Peak Demand		1,300 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.