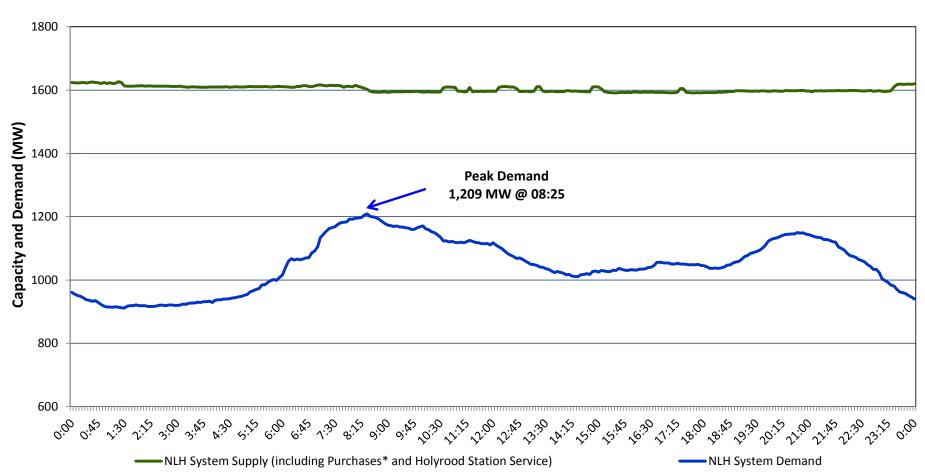
## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed April 03, 2014 (Revised - April 4, 2014)





## Supply Notes for April 02, 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.

## **Section 2 NLH System Island Interconnected Supply and Demand** Temperature **NLH System Demand NLH System Outlook**<sup>3</sup> April 3, 2014 (°C) Five-Day Forecast (MW) Morning Evening Morning Evening Available NLH System Supply:4 1,555 1,200 MW Thursday, April 03, 2014 1,125 $^{\circ}$ C -1 Friday, April 04, 2014 1,175 1,025 Current St. John's Temperature: -4 $^{\circ}$ C -2 Current St. John's Windchill: -11 Saturday, April 05, 2014 -2 1,100 1,025 NLH System Peak Demand Forecast: 1,200 MW Sunday, April 06, 2014 -2 1,100 975 Monday, April 07, 2014 1,150 1,075

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

## Supply Notes for April 03, 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 |  |       |          |
|--|--|-------|----------|
| April 2, 2014  | Actual NLH System Island Interconnected Peak Demand <sup>1</sup> | 08:25 | 1,209 MW |
| April 3, 2014  | Forecast NLH System Island Interconnected Peak Demand            |       | 1,200 MW |
| April 2, 2014  | Actual Total Island Peak Demand <sup>2</sup>                     | 09:00 | 1,308 MW |
| April 3, 2014  | Forecast Total Island Peak Demand                                |       | 1,375 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.