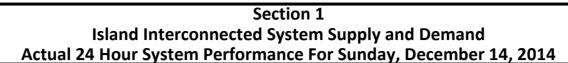
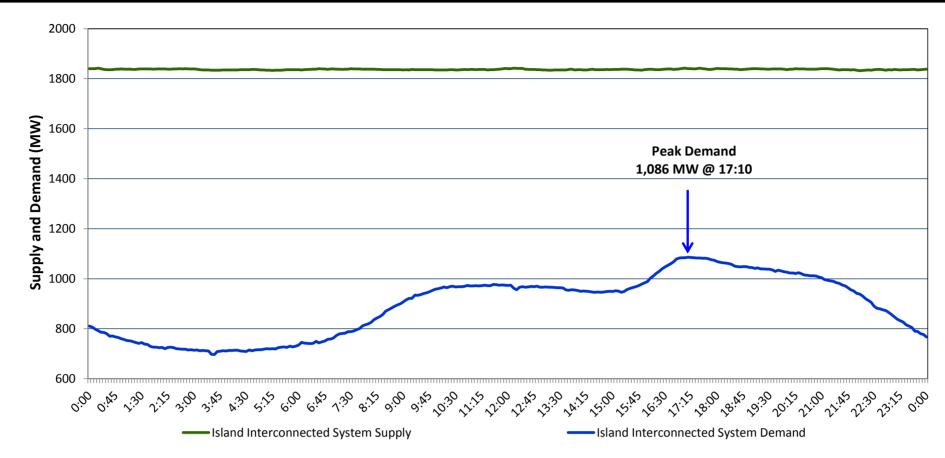
## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, December 15, 2014





## Supply Notes for December 14, 2014<sup>1,2</sup>

- As of 1000 hours, November 21, 2014, Nalcor Exploits Unit 4 unavailable due to a forced outage (30 MW). Net impact to system 4 MW (the excess water utilised by other Nalcor Grand Falls Units 5 to 8).
- As of 1711 hours, December 12, 2014, the Hardwoods Gas Turbine Unit unavailable due to a forced outage (50 MW).

## **Section 2 Island Interconnected Supply and Demand** Temperature **Island System Daily** Island System Outlook<sup>3</sup> Mon, Dec 15, 2014 (°C) Seven-Day Forecast Peak Demand (MW) Forecast Adjusted<sup>b</sup> Morning Evening Available Island System Supply:5 1,845 MWMonday, December 15, 2014 10 1,225 1,150 NLH:4 1,620 MWTuesday, December 16, 2014 0 1,350 1,275 1 Other Island Generation: 225 MWWednesday, December 17, 2014 -1 0 1,250 1,325 Thursday, December 18, 2014 0 3 1,250 1,325 °C Current St. John's Temperature: Friday, December 19, 2014 5 2 1,275 1,200 $^{\circ}$ C Saturday, December 20, 2014 Current St. John's Windchill: 0 1,275 N/A 1 1,350 7-Day Island Peak Demand Forecast: MW Sunday, December 21, 2014 3 1,350 1,225 1,300

## Supply Notes for December 15, 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 NLH hydraulic output due to water levels (35 MW). Includes NLH Power Purchases.
  - 5. Gross output from all Island sources (including Note 4).
  - 6. Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.

Section 3 Island Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak			
Sun, Dec 14, 2014	Actual Island Peak Demand <sup>7</sup>	17:10	1,086 MW
Mon, Dec 15, 2014	Forecast Island Peak Demand		1,225 MW

Notes: 7. Island Demand is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).