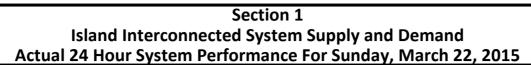
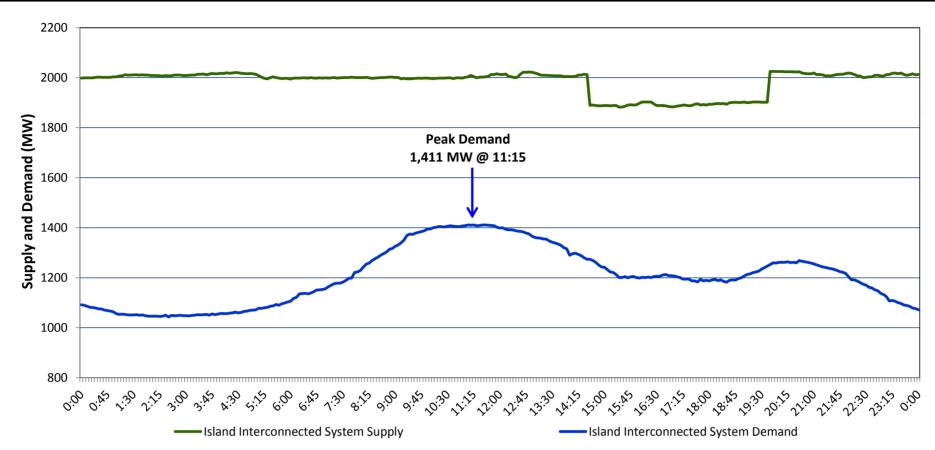
## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, March 23, 2015





Supply Notes For March 22, 2015

As of 1823 hours, March 01, 2015, Hardwoods Gas Turbine End B unavailable (25 MW).

At 1433 hours, March 22, 2015, Holyrood Combustion Turbine unavailable due to maintenance (123.5 MW).

At 1941 hours, March 22, 2015, Holyrood Combustion Turbine available for service (123.5 MW)

## **Section 2 Island Interconnected Supply and Demand** Temperature **Island System Daily** Mon, Mar 23, 2015 Island System Outlook<sup>3</sup> (°C) Peak Demand (MW) Seven-Day Forecast Forecast Adjusted<sup>b</sup> Morning Evening Available Island System Supply:5 1,940 MWMonday, March 23, 2015 1,440 1,345 NLH Generation:⁴ 1,595 MW Tuesday, March 24, 2015 -3 1,380 1,285 -3 -7 **NLH Power Purchases:** 140 MWWednesday, March 25, 2015 -6 1,350 1,445 205 Thursday, March 26, 2015 -5 -2 1,310 Other Island Generation: MW 1,405 °C Current St. John's Temperature: -3 Friday, March 27, 2015 2 2 1,205 1,110 $^{\circ}$ C Saturday, March 28, 2015 1,220 Current St. John's Windchill: -12 0 -4 1,315 7-Day Island Peak Demand Forecast: MW Sunday, March 29, 2015 -5 -2 1,445 1,205 1,300

## Supply Notes For March 23, 2015

## At 0505 hours, March 23, 2015, Hinds Lake removed from service (75 MW).

- 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).
  - 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, Mar 22, 2015	Actual Island Peak Demand <sup>7</sup>	11:15	1,411 MW
Mon, Mar 23, 2015	Forecast Island Peak Demand		1,440 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).