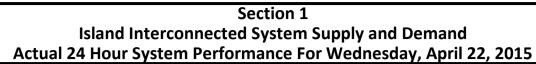
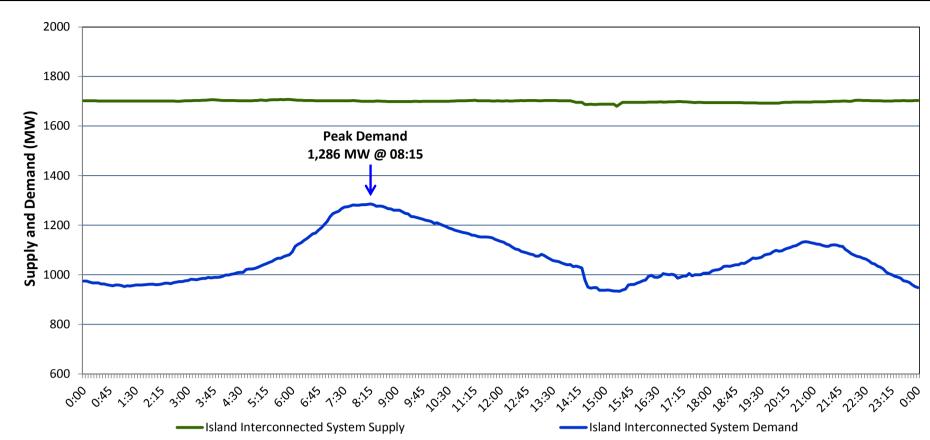
## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Thursday, April 23, 2015





## Supply Notes For April 22, 2015

- A As of 1823 hours, March 01, 2015, Hardwoods Gas Turbine End B unavailable (25 MW).
- As of 1400 hours, April 05, 2015, Bay d'Espoir Unit 2 removed from service for annual maintenance (76.5 MW).
- As of 1333 hours, April 10, 2015, Holyrood Unit 3 removed from service for annual maintenance (150 MW).
- As of 1055 hours, April 13, 2015, Stephenville Gas Turbine removed from service (50 MW).
- At 1423 hours, April 22, 2015, the Paradise Rive Unit tripped offline (8 MW).
- At 1522 hours, April 22, 2015, the Paradise Rive Unit returned to service (8 MW).

## Section 2 **Island Interconnected Supply and Demand** Temperature **Island System Daily** Island System Outlook<sup>3</sup> Thu, Apr 23, 2015 (°C) Peak Demand (MW) Seven-Day Forecast Morning **Evening Forecast** Available Island System Supply:5 1,715 MW Thursday, April 23, 2015 1,175 0 NLH Generation:4 1,390 MW Friday, April 24, 2015 1 1 1,210 Saturday, April 25, 2015 **NLH Power Purchases:** 115 MW 3 3 1,150 Other Island Generation: 1,065 210 MWSunday, April 26, 2015 4 $^{\circ}$ C Current St. John's Temperature: Monday, April 27, 2015 4 3 1,130 0 $^{\circ}$ C Current St. John's Windchill: Tuesday, April 28, 2015 2 2 1,215 7-Day Island Peak Demand Forecast: Wednesday, April 29, 2015 3 1,225 MW 1,225

## Supply Notes For April 23, 2015

- 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).

Section 3 Island Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak			
Wed, Apr 22, 2015	Actual Island Peak Demand <sup>7</sup>	08:15	1,286 MW
Thu, Apr 23, 2015	Forecast Island Peak Demand		1,175 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).