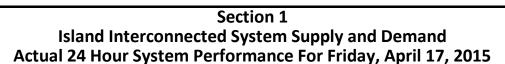
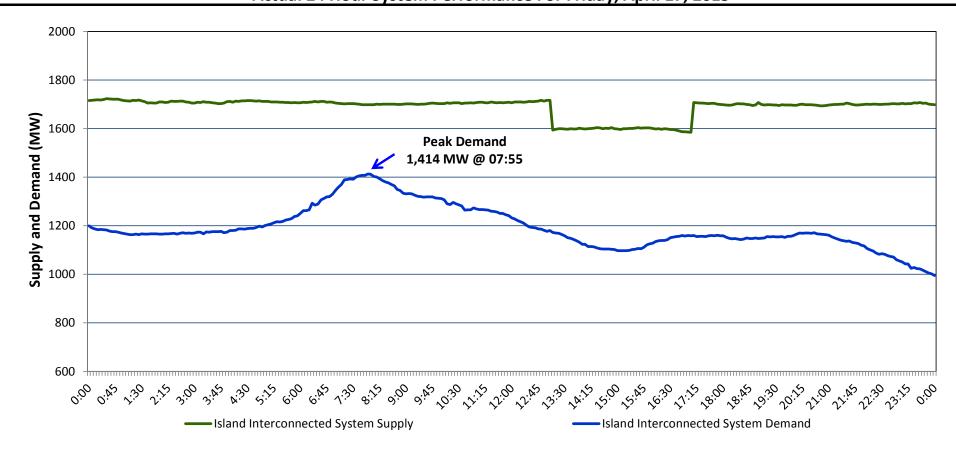
Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, April 20, 2015





Supply Notes For April 17, 2015

1,2

- 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).
- **c** 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 1307 hours, April 17, 2015, Holyrood Combustion Turbine unavailable (123.5 MW).
 - At 1706 hours, April 17, 2015, Holyrood Combustion Turbine available (123.5 MW).

Section 2 **Island Interconnected Supply and Demand** Temperature **Island System Daily** Island System Outlook³ Sat, Apr 18, 2015 (°C) Peak Demand (MW) Seven-Day Forecast Morning **Evening Forecast** Available Island System Supply:5 1,705 MWSaturday, April 18, 2015 0 1,185 2 NLH Generation: 1,390 MW Sunday, April 19, 2015 -1 -2 1,205 Monday, April 20, 2015 1,290 **NLH Power Purchases:** 120 MW -3 -3 Tuesday, April 21, 2015 1,265 Other Island Generation: 195 MW -1 -1 °C Current St. John's Temperature: Wednesday, April 22, 2015 1,245 0 1 3 $^{\circ}$ C Thursday, April 23, 2015 2 Current St. John's Windchill: N/A 3 1,145 7-Day Island Peak Demand Forecast: 1,290 MW Friday, April 24, 2015 1,100

Supply Notes For April 18, 2015

- At 0012 hours, April 18, 2015, Holyrood Unit 2 removed from service (170 MW).
- At 0102 hours, April 18, 2015, Holyrood Combustion Turbine unavailable (123.5 MW).
- At 0333 hours, April 18, 2015, Holyrood Combustion Turbine available (123.5 MW).
 - At 0519 hours, April 18, 2015, Holyrood Unit 2 returned to service (170 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).

Section 3 Island Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak Fri, Apr 17, 2015 Actual Island Peak Demand 7 07:55 1,414 MW Sat, Apr 18, 2015 Forecast Island Peak Demand 1,185 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).