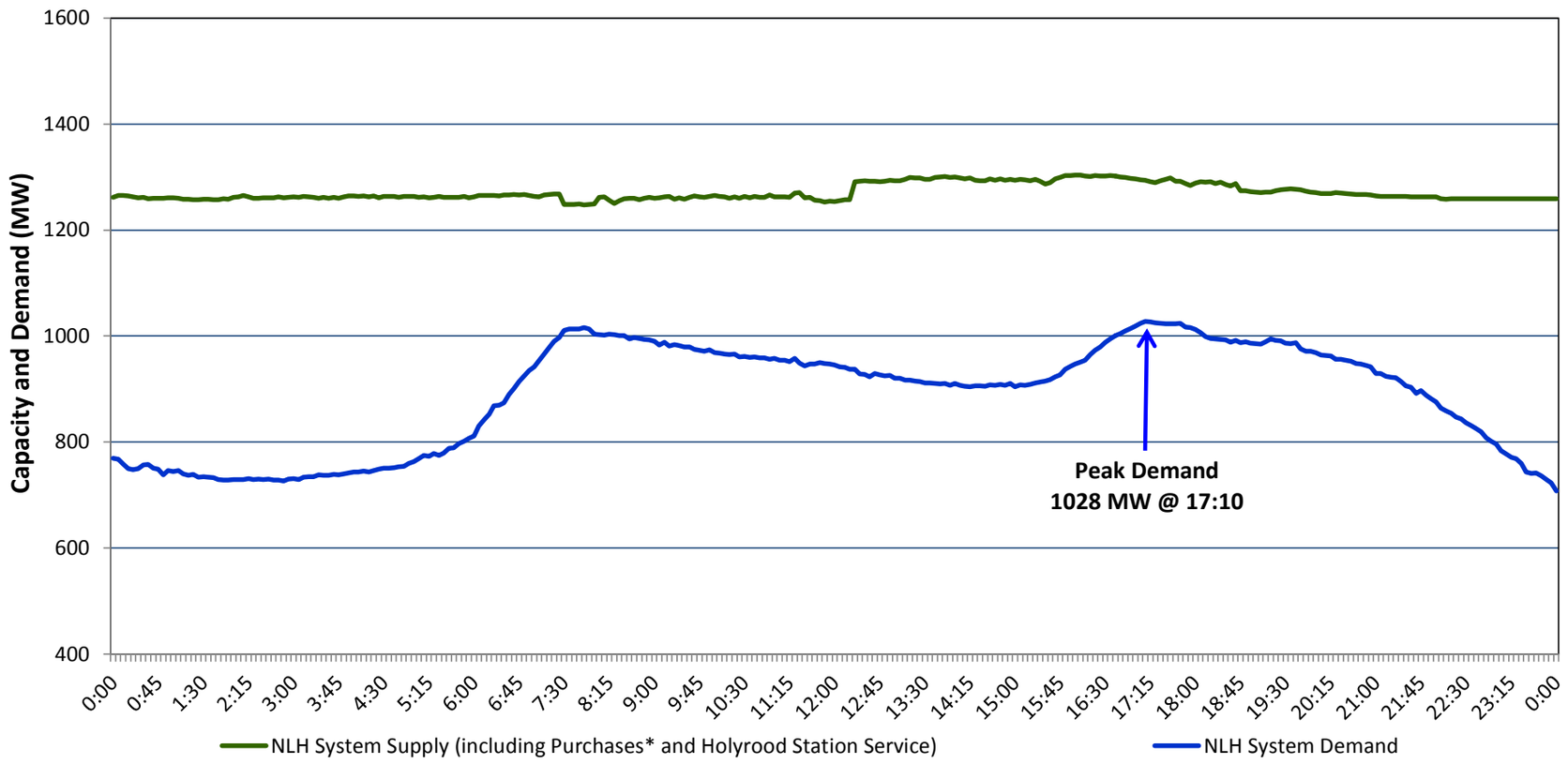
# Newfoundland Labrador Hydro (NLH)
# Supply and Demand Status Report Filed November 14, 2014

## Section 1
## NLH System Island Interconnected Supply and Demand
## Actual 24 Hour System Performance For November 13, 2014




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

**Supply Notes for November 13, 2014**

- → As of 1100 hours, July 21, 2014, Holyrood Unit 1 removed from service for annual maintenance (170 MW).
- → As of 0826 hours, October 04, 2014, Stephenville Gas Turbine End B removed from service. Previously derated to 18 MW (25 MW).
- → As of 0715 hours, November 04, 2014, Bay d'Espoir Unit 5 removed from service for annual maintenance (76.5 MW).
- → As of 0715 hours, November 04, 2014, Bay d'Espoir Unit 6 removed from service for maintenance (76.5 MW).
- → As of 1048 hours, November 10, 2014, Stephenville Gas Turbine End A unavailable due to a forced outage (25 MW).
- → At 1215 hours, November 13, 2014, Holyrood Unit 2 derating updated to 150 MW (170 MW).

## Section 2
## NLH System Island Interconnected Supply and Demand

| November 14, 2014 NLH System Outlook[3] | | | Five-Day Forecast | Temperature (°C) | | NLH System Demand (MW) | |
|---|---|---|---|---|---|---|---|
| | | | | Morning | Evening | Morning | Evening |
| Available NLH System Supply:[4] | **1,250** | **MW** | Friday, November 14, 2014 | 3 | 6 | **975** | **1,000** |
| Current St. John's Temperature: | 6 | °C | Saturday, November 15, 2014 | 9 | 1 | 875 | 1,025 |
| Current St. John's Windchill: | N/A | °C | Sunday, November 16, 2014 | -3 | -1 | 1,000 | 1,075 |
| NLH System Peak Demand Forecast: | 1,000 | MW | Monday, November 17, 2014 | 1 | 4 | 975 | 1,025 |
| | | | Tuesday, November 18, 2014 | 2 | 4 | 1,000 | 1,075 |

**Supply Notes for November 14, 2014[3]**

- → At 0345 hours, November 14, 2014, the Start Lake Unit tripped offline and is unavailable due to a forced outage (18 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 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

| | | | |
|---|---|---|---|
| November 13, 2014 | Actual NLH System Island Interconnected Peak Demand[1] | 17:10 | 1,028 MW |
| November 14, 2014 | Forecast NLH System Island Interconnected Peak Demand | | 1,000 MW |
| | | | |
| November 13, 2014 | Actual Total Island Peak Demand[2] | 17:30 | 1,136 MW |
| November 14, 2014 | Forecast Total Island Peak Demand | | 1,150 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.