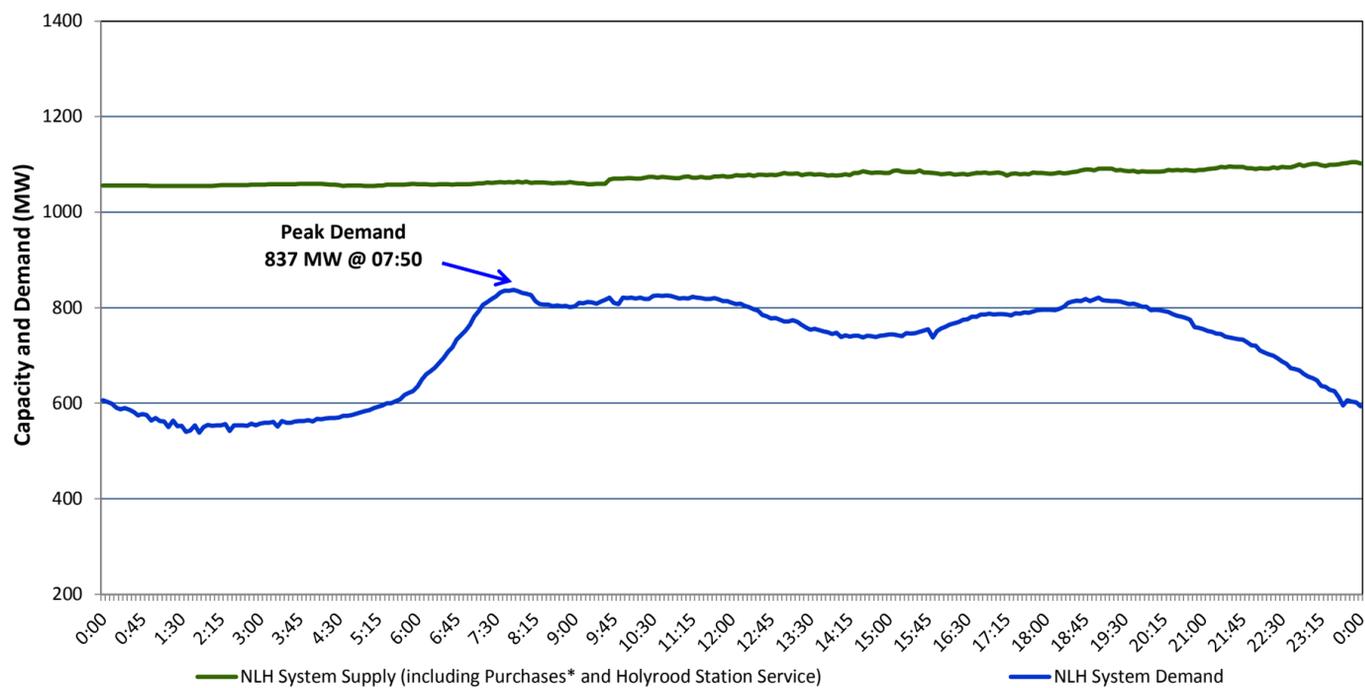


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed October 20, 2014**

**Section 1  
NLH System Island Interconnected Supply and Demand  
Actual 24 Hour System Performance For October 17, 2014**



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

**Supply Notes for October 17, 2014**

- As of 0858 hours, June 13, 2014, Stephenville Gas Turbine End A removed from service for annual maintenance (25 MW).
- As of 1100 hours, July 21, 2014, Holyrood Unit 1 removed from service for annual maintenance (170 MW).
- As of 1738 hours, August 27, 2014, Cat Arm Unit 1 derated to 53 MW (67 MW).
- As of 1653 hours, September 25, 2014, Bay d'Espoir Unit 3 removed from service on a forced outage (76.5 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 0858 hours, October 05, 2014, Nalcor Exploits Unit 9 removed from service (30 MW).
- As of 1104 hours, October 06, 2014, Hinds Lake Unit removed from service for annual maintenance (75 MW).
- As of 2119 hours, October 13, 2014, Holyrood Unit 3 removed from service (economic dispatch), previously derated to 135 MW (150 MW).
- As of 1150 hours, October 15, 2014, Holyrood Unit 2 load tested to 145 MW (170 MW).
- At 0940 hours, October 17, 2014, Holyrood Black Start Diesels available to supply to the grid (10 MW).

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

October 18, 2014	NLH System Outlook <sup>3</sup>	Five-Day Forecast	Temperature (°C)		NLH System Demand (MW)	
			Morning	Evening	Morning	Evening
Available NLH System Supply: <sup>4</sup>	1,065 MW	Saturday, October 18, 2014	13	16	675	675
Current St. John's Temperature:	15 °C	Sunday, October 19, 2014	13	13	650	675
Current St. John's Windchill:	N/A °C	Monday, October 20, 2014	15	10	725	800
NLH System Peak Demand Forecast:	675 MW	Tuesday, October 21, 2014	7	8	825	800
		Wednesday, October 22, 2014	5	5	850	850

**Supply Notes for October 18, 2014<sup>3</sup>**

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- 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**

October 17, 2014	Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	07:50	837 MW
October 18, 2014	Forecast NLH System Island Interconnected Peak Demand		675 MW
October 17, 2014	Actual Total Island Peak Demand <sup>2</sup>	08:25	921 MW
October 18, 2014	Forecast Total Island Peak Demand		825 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.