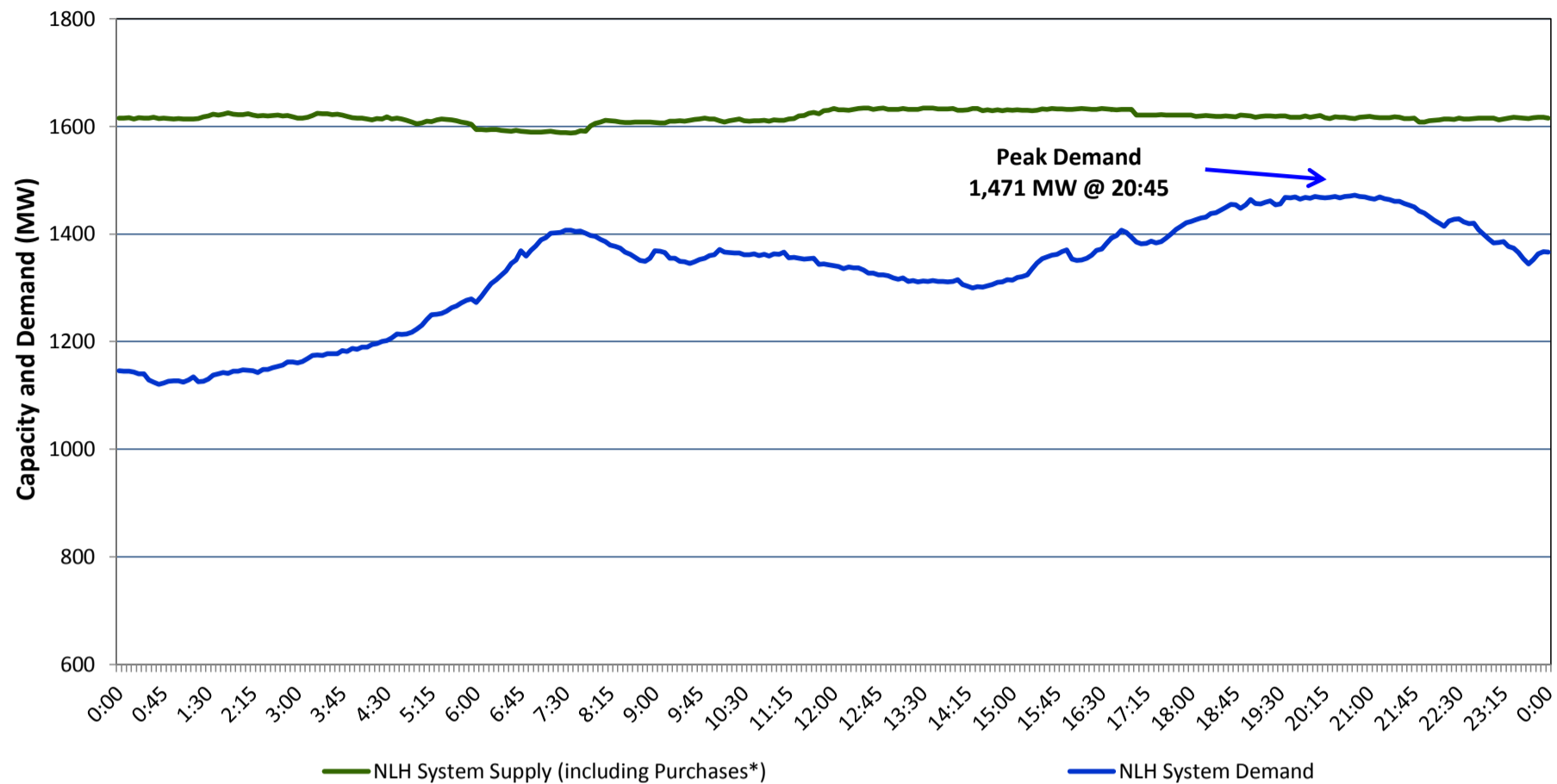


**Newfoundland and Labrador Hydro  
NLH System Supply and Demand  
March 04, 2014**



\* Purchases include Nalcor Exploits and Star Lake, Rattle Brook, CBPP Co-Gen, Wind Generation, and CBPP Curtailable Load (60 MW)

**Previous Day's NLH System Supply Notes<sup>1,2</sup>:**

- Ongoing derating for Holyrood Unit 1 to 140 MW from 170 MW.
- Bay d'Espoir Unit 6 (75 MW) is unavailable for service.
- Stephenville unit derated to 25 MW from 50 MW (End B not available) at 1600 hours. Hydro is investigating.
- Hardwoods unit derated to 25 MW from 50 MW (End B not available) due to a fuel valve issue with End B.

5-Mar-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>	1,560 MW	Wednesday, March 05, 2014	-17	-13	1,475	1,500
Current St. John's Temperature:	-16 °C	Thursday, March 06, 2014	-16	-15	1,475	1,500
Current St. John's Windchill:	-30 °C	Friday, March 07, 2014	-14	-6	1,450	1,325
NLH System Peak Demand Forecast:	1,500 MW	Saturday, March 08, 2014	-5	-1	1,125	1,150
		Sunday, March 09, 2014	-5	-8	1,200	1,250

- 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 CBPP Curtailable Load (60 MW). Excludes wind generation.

**5-Mar-2014 Island Demand<sup>1</sup>**

Island Peak Demand Forecast:	1,650 MW	Previous Day's Island Peak Demand:	1,658 MW @	20:20
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- Note: 1. The Island supply includes generation owned by NLH, purchased by NLH and generation owned by Newfoundland Power (NP) and Corner Brook Pulp and Paper (CBPP) to supply their needs. The total power produced and purchased by NLH is referred to as the NLH System Supply.