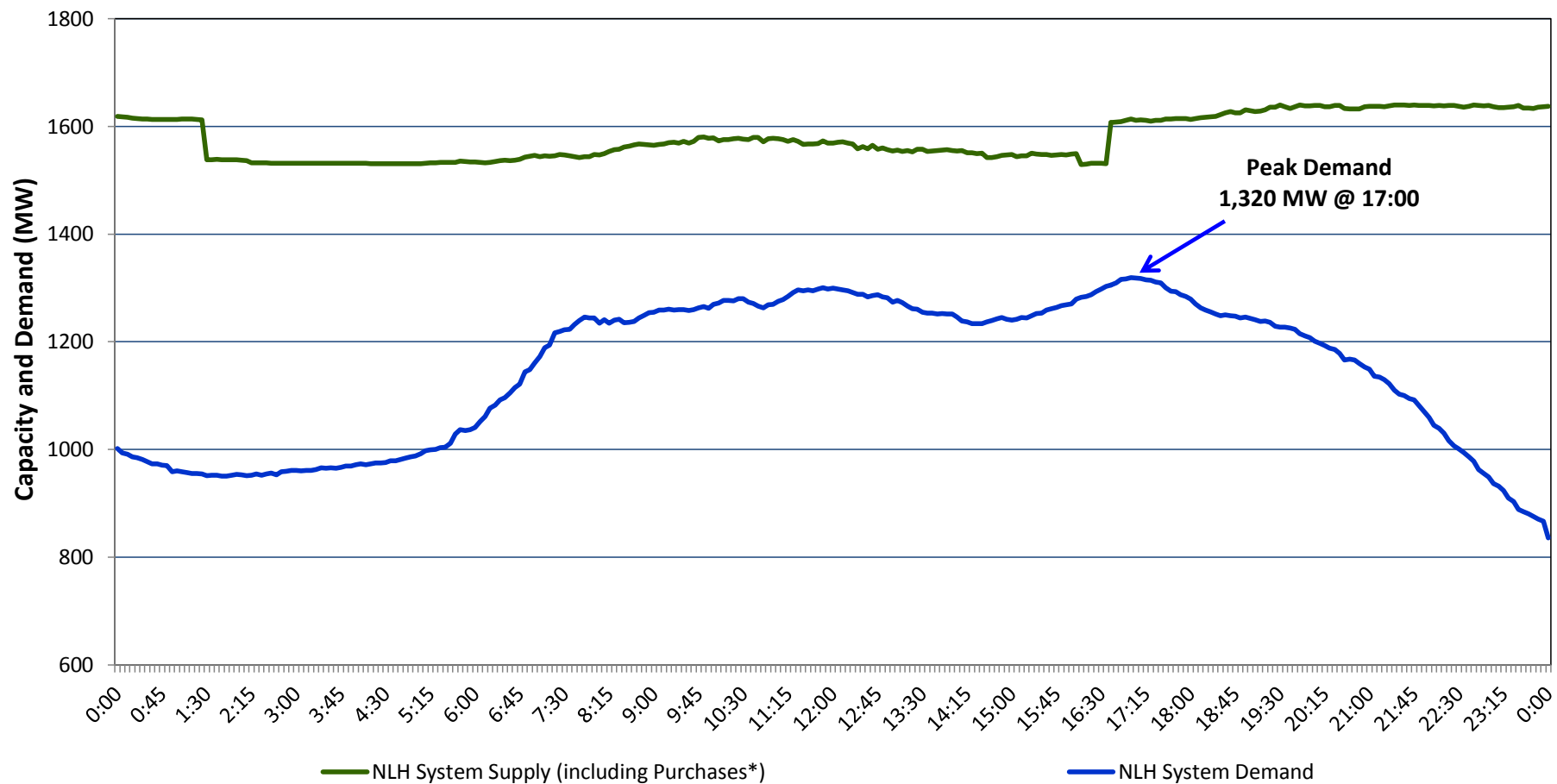


Newfoundland and Labrador Hydro

NLH System Supply and Demand

January 22, 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^{1,2}:

- Ongoing deratings at Holyrood Unit 3 (to 75 MW) and the Stephenville Gas Turbine (to 25 MW).
- Forced outage to the Hinds Lake Unit at 0130 hours due to icing. Unit was returned to service at 1637 hours at full capability.
- Forced outage to Bay d'Espoir Unit 2 (occurred 0208 hours January 23). Hydro is investigating.

23-Jan-2014 NLH System Outlook ³			Five-Day Forecast		Temperature (°C)		NLH System Demand (MW)	
					Morning	Evening	Morning	Evening
Available NLH System Supply: ⁴	1,530	MW	Thursday, January 23, 2014		1	-3	1,225	1,300
Current St. John's Temperature:	0	°C	Friday, January 24, 2014		-4	-4	1,275	1,300
Current St. John's Windchill:	-11	°C	Saturday, January 25, 2014		-8	-7	1,275	1,350
NLH System Peak Demand Forecast:	1,300	MW	Sunday, January 26, 2014		0	0	1,075	1,100
			Monday, January 27, 2014		-3	-1	1,225	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.

23-Jan-2014 Island Demand¹

Island Peak Demand Forecast:	1,475	MW	Previous Day's Island Peak Demand:	1,501	MW @	17:30
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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.