

Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed May 28, 2014

→ As of 1554 hours, May 24, 2014, Bay d'Espoir Unit 3 removed from service for annual maintenance (76.5 MW).

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May 28, 2014 NLH System Outlook ³			Five-Day Forecast	Temperature (°C)		NLH System Demand (MW)	
-				Morning	Evening	Morning	Evening
Available NLH System Supply: ⁴	1,100	MW	Wednesday, May 28, 2014	3	2	950	950
Current St. John's Temperature:	3	°C	Thursday, May 29, 2014	1	5	925	775
Current St. John's Windchill:	N/A	°C	Friday, May 30, 2014	2	8	800	700
NLH System Peak Demand Forecast:	950	MW	Saturday, May 31, 2014	5	10	725	700
			Sunday, June 01, 2014	5	5	775	725
Supply Notes for May 28, 2014 ³			Sunday, June 01, 2014	5	5	//5	72:

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							
May 27, 2014	Actual NLH System Island Interconnected Peak Demand ¹	16:45	948	MW			
May 28, 2014	Forecast NLH System Island Interconnected Peak Demand		950	MW			
May 27, 2014	Actual Total Island Peak Demand ²	21:05	1,095	MW			
May 28, 2014	Forecast Total Island Peak Demand		1,125	MW			