

## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed May 05, 2014

→ As of 1055 hours, April 14, 2014, Bay d'Espoir Unit 2 removed from service for annual maintenance (77 MW).

→ As of 1030 hours, April 24, 2014, Holyrood Unit 1 derated to 162 MW (from 170 MW).

Morning	Temperature (°C)		NLH System Demand (MW)	
in or ing	Evening	Morning	Evening	
0	1	950	950	
0	0	1,000	975	
-1	2	1,025	95	
-2	2	1,025	90	
-1	3	1,000	82	
_	0 0 -1 -2 -1	0 1   0 0   -1 2   -2 2   -1 3	0 0 1,000   -1 2 1,025   -2 2 1,025	

- 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.

Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak					
May 4, 2014	Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	10:05	927 MW		
May 5, 2014	Forecast NLH System Island Interconnected Peak Demand		950 MW		
May 4, 2014	Actual Total Island Peak Demand <sup>2</sup>	09:55	1,082 MW		
May 5, 2014	Forecast Total Island Peak Demand		1,150 MW		