

Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed April 14, 2014

→ As of 1717 hours, April 10, 2014, Holyrood Unit 3 removed from service for annual maintenance (150 MW).

April 14, 2014 NLH System Outlook ³			Five-Day Forecast	-	Temperature (°C)		NLH System Demanc (MW)	
				Morning	Evening	Morning	Evening	
Available NLH System Supply: ⁴	1,405	MW	Monday, April 14, 2014	-3	-2	1,100	1,07	
Current St. John's Temperature:	-2	°C	Tuesday, April 15, 2014	5	9	900	80	
Current St. John's Windchill:	-4	°C	Wednesday, April 16, 2014	9	12	850	77	
NLH System Peak Demand Forecast:	1,100	MW	Thursday, April 17, 2014	-2	-3	1,150	1,05	
			Friday, April 18, 2014	-6	3	1,050	95	
Supply Notes for April 14, 2014 ³								
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- 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						
April 13, 2014	Actual NLH System Island Interconnected Peak Demand ¹	10:10	961 MW			
April 14, 2014	Forecast NLH System Island Interconnected Peak Demand		1,100 MW			
April 13, 2014	Actual Total Island Peak Demand ²	10:15	1,149 MW			
April 14, 2014	Forecast Total Island Peak Demand		1,300 MW			