

Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed April 08, 2014

→ As of 0717 hours, Holyrood Unit 2 derated to 130 MW (from 170 MW) and Holyrood Unit 3 derated to 115 MW (from 150 MW).

April 8, 2014 NLH System	Outlook ³		Five-Day Forecast	Temperature (°C)		NLH System Demand (MW)	
				Morning	Evening	Morning	Evening
Available NLH System Supply: ⁴	1,345	MW	Tuesday, April 08, 2014	-6	2	1,150	1,02
Current St. John's Temperature:	-3	°C	Wednesday, April 09, 2014	0	7	1,125	92
Current St. John's Windchill:	-8	°C	Thursday, April 10, 2014	1	0	1,125	1,10
NLH System Peak Demand Forecast:	1,150	MW	Friday, April 11, 2014	-6	3	1,200	85
			Saturday, April 12, 2014	3	4	1,000	92
Supply Notes for April 08, 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.

Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak						
April 7, 2014	Actual NLH System Island Interconnected Peak Demand ¹	08:20	1,144 MW			
April 8, 2014	Forecast NLH System Island Interconnected Peak Demand		1,150 MW			
April 7, 2014	Actual Total Island Peak Demand ²	08:10	1,303 MW			
April 8, 2014	Forecast Total Island Peak Demand		1,300 MW			