

Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed April 21, 2014

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

As of 0515 hours, April 17, 2014, Holyrood Unit 2 derated to 155 MW (from 165 MW).

April 21, 2014 NLH System Outlook ³			Five-Day Forecast		Temperature (°C)		NLH System Demand (MW)	
				Morning	Evening	Morning	Evening	
Available NLH System Supply: ⁴	1,315	MW	Monday, April 21, 2014	-5	4	1,100	900	
Current St. John's Temperature:	-2	°C	Tuesday, April 22, 2014	1	4	1,025	900	
Current St. John's Windchill:	-8	°C	Wednesday, April 23, 2014	0	1	1,025	925	
NLH System Peak Demand Forecast:	1,100	MW	Thursday, April 24, 2014	0	2	1,000	900	
			Friday, April 25, 2014	2	4	1,000	850	
upply Notes for April 21, 2014 ³			Filuay, April 25, 2014	2	4	1,000	650	

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.
- 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 2. 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 20, 2014	Actual NLH System Island Interconnected Peak Demand ¹	09:50	1,108 MW				
April 21, 2014	Forecast NLH System Island Interconnected Peak Demand		1,100 MW				
April 20, 2014	Actual Total Island Peak Demand ²	09:25	1,293 MW				
April 21, 2014	Forecast Total Island Peak Demand		1,275 MW				