

## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed April 17, 2014

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

April 17, 2014 NLH System Outlook <sup>3</sup>			Five-Day Forecast		Temperature (°C)		NLH System Demand (MW)	
					Morning	Evening	Morning	Evening
Available NLH System Supply: <sup>4</sup>		1,320	MW	Thursday, April 17, 2014	-2	-4	1,025	1,000
Current St. John's Temperature:		0	°C	Friday, April 18, 2014	-5	0	1,025	1,000
Current St. John's Windchill:		-7	°C	Saturday, April 19, 2014	-5	0	1,050	1,050
NLH System Peak Dema	ind Forecast:	1,025	MW	Sunday, April 20, 2014	-5	-1	1,075	1,000
				Monday, April 21, 2014	-4	2	1,100	92

- 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 16, 2014	Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	08:05	805 N	٨W				
April 17, 2014	Forecast NLH System Island Interconnected Peak Demand		1,025 N	٧W				
April 16, 2014	Actual Total Island Peak Demand <sup>2</sup>	08:20	979 N	<u>NW</u>				
April 17, 2014	Forecast Total Island Peak Demand		1,325 N	<u>vw</u>				