

## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed March 18, 2014

from 170 MW.
At 0921 hours, Exploits Generation (NUG) Unit 9 tripped offline, loss of 29 MW. Unit was returned to service at 1001 hours.

March 18, 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>	1,625	MW	Tuesday, March 18, 2014	-10	-6	1,375	1,250
Current St. John's Temperature:	-10	°C	Wednesday, March 19, 2014	-7	-4	1,275	1,20
Current St. John's Windchill:	-21	°C	Thursday, March 20, 2014	-9	-4	1,275	1,20
NLH System Peak Demand Forecast:	1,375	MW	Friday, March 21, 2014	-2	1	1,125	1,00
			Saturday, March 22, 2014	-2	-3	1,175	1,12
Supply Notes for March 18, 2014 <sup>3</sup>			Saturday, March 22, 2014	-2	-3	1,175	1,125

- 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.

customer supply. The power system operators schedule outages to system equipment whenever possible to coincide with periods when customer demands are

- 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, and CBPP Curtailable Load (60 MW). Excludes wind generation.

Section 3 Peak Demand Information						
March 17, 2014	Previous Day Actual Peak and Current Day F Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	orecast Реак 19:40	1,340 MW			
March 18, 2014	Forecast NLH System Island Interconnected Peak Demand		1,375 MW			
March 17, 2014	Actual Total Island Peak Demand <sup>2</sup>	19:40	1,511 MW			
March 18, 2014	Forecast Total Island Peak Demand		1,500 MW			