

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

As of 1857 hours, Mar. 15, 2014, Holyrood Unit 1 (170 MW derated to 140 MW) removed from service on a planned maintenance outage.

March 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>	1,615	MW	Monday, March 17, 2014	-5	-7	1,250	1,300	
Current St. John's Temperature:	-5	°C	Tuesday, March 18, 2014	-9	-5	1,300	1,200	
Current St. John's Windchill:	-14	°C	Wednesday, March 19, 2014	-5	-3	1,250	1,175	
NLH System Peak Demand Forecast:	1,300	MW	Thursday, March 20, 2014	-6	-3	1,250	1,175	
			Friday, March 21, 2014	0	2	1,225	1,100	
Supply Notes for March 17, 2014 <sup>3</sup> →   Holyrood Unit 1 returned to servic     Jotes:   1.   Generation outages for running a			to 140 MW) from a planned maintenan	U U				

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

Section 3 Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak						
Forecast NLH System Island Interconnected Peak Demand		1,300 MW				
Actual Total Island Peak Demand <sup>2</sup>	10:35	1,392 MW				
Forecast Total Island Peak Demand		1,475 MW				
	Peak Demand Information   Previous Day Actual Peak and Current Day F   Actual NLH System Island Interconnected Peak Demand <sup>1</sup> Forecast NLH System Island Interconnected Peak Demand   Actual Total Island Peak Demand <sup>2</sup> Forecast Total Island Peak Demand   sland Interconnected is supplied by generation owned by NLH as well as NLH Power Pu	Peak Demand Information   Previous Day Actual Peak and Current Day Forecast Peak   Actual NLH System Island Interconnected Peak Demand <sup>1</sup> 11:50   Forecast NLH System Island Interconnected Peak Demand 11:50   Actual Total Island Peak Demand <sup>2</sup> 10:35				