

## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed June 16, 2014

→ As of 1717 hours, April 10, 2014, Holyrood Unit 3 removed from service for annual maintenance (150 MW).

→ As of 0800 hours, May 21, 2014, Holyrood Unit 2 removed from service for annual maintenance (165 MW).

→ As of 1554 hours, May 24, 2014, Bay d'Espoir Unit 3 removed from service for annual maintenance (76.5 MW).

→ As of 0858 hours, June 13, 2014, Stephenville Gas Turbine End A removed from service for annual maintenance (25 MW).

→ At 0737 hours, June 15, 2014, Cat Arm Unit 1 removed from service for annual maintenance (67 MW).

June 16, 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>	1,095	MW	Monday, June 16, 2014	9	8	750	775	
Current St. John's Temperature:	7	°C	Tuesday, June 17, 2014	9	8	700	725	
Current St. John's Windchill:	N/A	°C	Wednesday, June 18, 2014	7	13	700	650	
NLH System Peak Demand Forecast:	775	MW	Thursday, June 19, 2014	12	10	675	700	
			Friday, June 20, 2014	10	15	675	625	

Notes: 1. Generation outages for running and corrective maintenance are included. These are not unusual for power system operations. They generally do not impact 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.
- 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						
une 15, 2014	Actual NLH System Island Interconnected Peak Demand <sup>1</sup>	11:20	594 MW			
une 16, 2014	Forecast NLH System Island Interconnected Peak Demand		775 MW			
une 15, 2014	Actual Total Island Peak Demand <sup>2</sup>	11:45	758 MW			
une 16, 2014	Forecast Total Island Peak Demand		925 MW			