

Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed November 07, 2014

As of 0826 hours, October 04, 2014, Stephenville Gas Turbine End B removed from service. Previously derated to 18 MW (25 MW).

→ As of 0715 hours, November 04, 2014, Bay d'Espoir Unit 5 removed from service for annual maintenance (76.5 MW).

→ As of 0715 hours, November 04, 2014, Bay d'Espoir Unit 6 removed from service for maintenance (76.5 MW).

At 0921 hours, November 06, 2014, Upper Salmon Unit removed from service on a forced outage (84 MW).

November 7, 2014 NLH Sys	ber 7, 2014 NLH System Outlook ³		Five-Day Forecast	Temperature (°C)		NLH System Demand (MW)	
				Morning	Evening	Morning	Evening
Available NLH System Supply: ⁴	1,215	MW	Friday, November 07, 2014	5	12	875	925
Current St. John's Temperature:	6	°C	Saturday, November 08, 2014	13	5	950	1,000
Current St. John's Windchill:	N/A	°C	Sunday, November 09, 2014	4	6	875	875
NLH System Peak Demand Forecast:	925	MW	Monday, November 10, 2014	6	9	875	900
			Tuesday, November 11, 2014	2	8	925	925

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							
November 6, 2014	Actual NLH System Island Interconnected Peak Demand ¹	17:40	885	MW			
November 7, 2014	Forecast NLH System Island Interconnected Peak Demand		925	MW			
November 6, 2014	Actual Total Island Peak Demand ²	17:20	1,012	MW			
November 7, 2014	Forecast Total Island Peak Demand		1,075	MW			