

Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, March 27, 2017

As of 1600 hours, March 21, 2017, Holyrood Unit 2 available at 134 MW (170 MW). В

С As of 1910 hours, March 22, 2017, Holyrood Unit 3 available at 130 MW (150 MW).

As of 1458 hours, March 23, 2017, Stephenville Gas Turbine available at 25 MW (50 MW) D

Sun, Mar 26, 2017 Island System Outlook ³		Seven-Day Forecast		erature C)	Island System Daily Peak Demand (MW		
				Morning	Evening	Forecast	Adjusted ⁷
Available Island System Supply: ⁵	1,940	MW	Sunday, March 26, 2017	-9	-10	1,580	1,471
NLH Generation: ⁴	1,575	MW	Monday, March 27, 2017	-12	-8	1,630	1,520
NLH Power Purchases: ⁶	150	MW	Tuesday, March 28, 2017	-6	-1	1,505	1,396
Other Island Generation:	215	MW	Wednesday, March 29, 2017	0	1	1,315	1,209
Current St. John's Temperature:	-9	°C	Thursday, March 30, 2017	0	-1	1,320	1,214
Current St. John's Windchill:	-18	°C	Friday, March 31, 2017	-1	-1	1,380	1,273
7-Day Island Peak Demand Forecast:	1,630	MW	Saturday, April 01, 2017	1	-1	1,305	1,294
Supply Notes For March 26, 2017	3						

supply reserves are available. However, from time to time equipment outages are necessary and reserves may be impacted.

- 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 under frequency load shedding, is necessary to ensure the integrity and reliability of system equipment. Under frequency 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 NLH hydraulic output due to water levels (35 MW).
- 5. Gross output from all Island sources (including Note 4).
- 6. NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance (when applicable), and Wind Generation.
- 7. Adjusted for CBP&P, Praxair and Vale interruptible load as well as the impact of voltage reduction, when applicable.

Section 3 Island Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak							
Sat, Mar 25, 2017	Actual Island Peak Demand ⁸	09:45	1,454 MW				
Sun, Mar 26, 2017	Forecast Island Peak Demand		1,580 MW				