



Supply Notes for January 09, 2015^{1,2}

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A As of 1000 hours, November 21, 2014, Nalcor Exploits Unit 4 unavailable due to a forced outage (30 MW). Net impact to system 4 MW (the excess water utilised by other Nalcor Grand Falls Units 5 to 8).

As of 1315 hours, December 15, 2014, the Stephenville Gas Turbine End 'B' unavailable (25 MW).

As of 0730 hours, January 07, 2015, the Nalcor Grand Falls plant derating (ice conditions) has been updated to a 3 MW net impact loss to the system. At 2240 hours, January 09, 2015, Holyrood Unit 3 removed from service for maintenance (150 MW).

Section 2 Island Interconnected Supply and Demand Temperature Island System Daily								
Sat, Jan 10, 2015 Island System Outlook ³			Seven-Day Forecast	(°	(°C)		Peak Demand (MW)	
	-			Morning	Evening	Forecast	Adjusted [®]	
Available Island System Supply: ⁵	1,730	MW	Saturday, January 10, 2015	3	-5	1,495	1,400	
NLH Generation: ⁴	1,395	MW	Sunday, January 11, 2015	-10	-9	1,540	1,440	
NLH Power Purchases:	125	MW	Monday, January 12, 2015	-7	-6	1,530	1,430	
Other Island Generation:	210	MW	Tuesday, January 13, 2015	-5	-9	1,555	1,455	
Current St. John's Temperature:	0	°C	Wednesday, January 14, 2015	-8	-8	1,535	1,435	
Current St. John's Windchill:	N/A	°C	Thursday, January 15, 2015	-6	-3	1,455	1,360	
7-Day Island Peak Demand Forecast:	1,555	MW	Friday, January 16, 2015	-3	2	1,385	1,290	

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 NLH hydraulic output due to water levels (35 MW).
- 5. Gross output from all Island sources (including Note 4).
- 6. Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.

Section 3 Island Peak Demand Information							
Fri, Jan 09, 2015	Actual Island Peak Demand ⁷	08:05	1,636 MW				
Sat, Jan 10, 2015	Forecast Island Peak Demand		1,495 MW				
	Forecast Island Peak Demand is supplied by NLH generation and purchases, plus generation owned and	l operated by Newfoundland Power and Corner F	,				