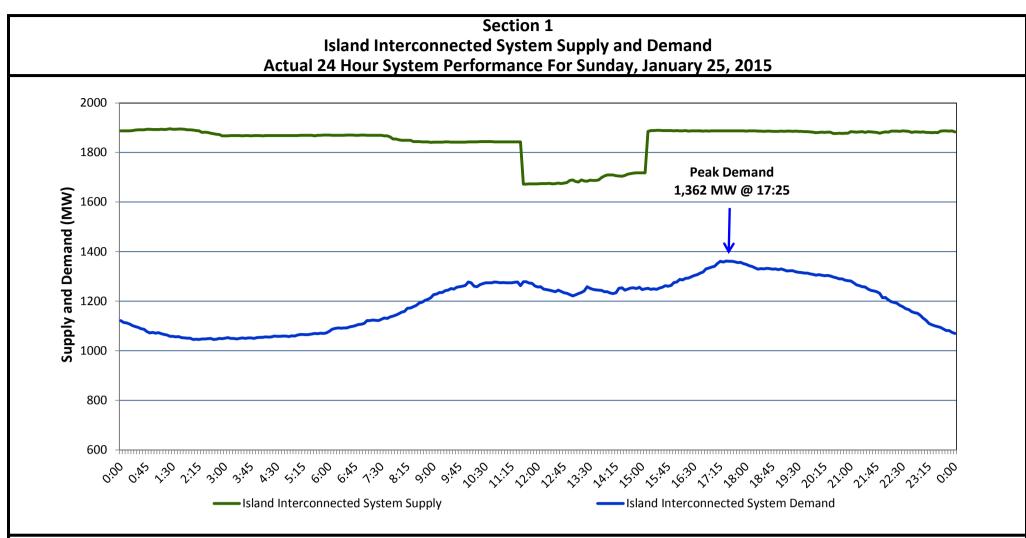
## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, January 26, 2015



## Supply Notes for January 25, 2015<sup>1,2</sup>

- 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).
- **B** As of 1315 hours, December 15, 2014, the Stephenville Gas Turbine End 'B' unavailable (25 MW).
  - At 1130 hours, January 25, 2015, Holyrood Unit 1 tripped offline (170 MW).
- At 1505 hours, January 25, 2015, Holyrood Unit 1 returned to service (170 MW).

Section 2 Island Interconnected Supply and Demand									
Mon, Jan 26, 2015 Island System Outlook <sup>3</sup>		Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)			
				Morning	<b>Evening</b>	Forecast	Adjusted <sup>6</sup>		
Available Island System Supply:5	1,905	MW	Monday, January 26, 2015	-2	-7	1,470	1,375		
NLH Generation: <sup>4</sup>	1,545	MW	Tuesday, January 27, 2015	-10	-3	1,535	1,435		
NLH Power Purchases:	140	MW	Wednesday, January 28, 2015	9	5	1,180	1,085		
Other Island Generation:	220	MW	Thursday, January 29, 2015	0	-3	1,385	1,290		
Current St. John's Temperature:	-3	°C	Friday, January 30, 2015	-3	-4	1,410	1,315		
Current St. John's Windchill:	-12	$^{\circ}$ C	Saturday, January 31, 2015	-2	1	1,410	1,315		
7-Day Island Peak Demand Forecas	t: <b>1,535</b>	MW	Sunday, February 01, 2015	-3	-4	1,470	1,375		

## Supply Notes for January 26, 2015<sup>3</sup>

- es: 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 Previous Day Actual Peak and Current Day Forecast Peak						
Sun, Jan 25, 2015	Actual Island Peak Demand <sup>7</sup>	17:25	1,362 MW			
Mon, Jan 26, 2015	Forecast Island Peak Demand		1,470 MW			

Notes: 7. Island Demand is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).