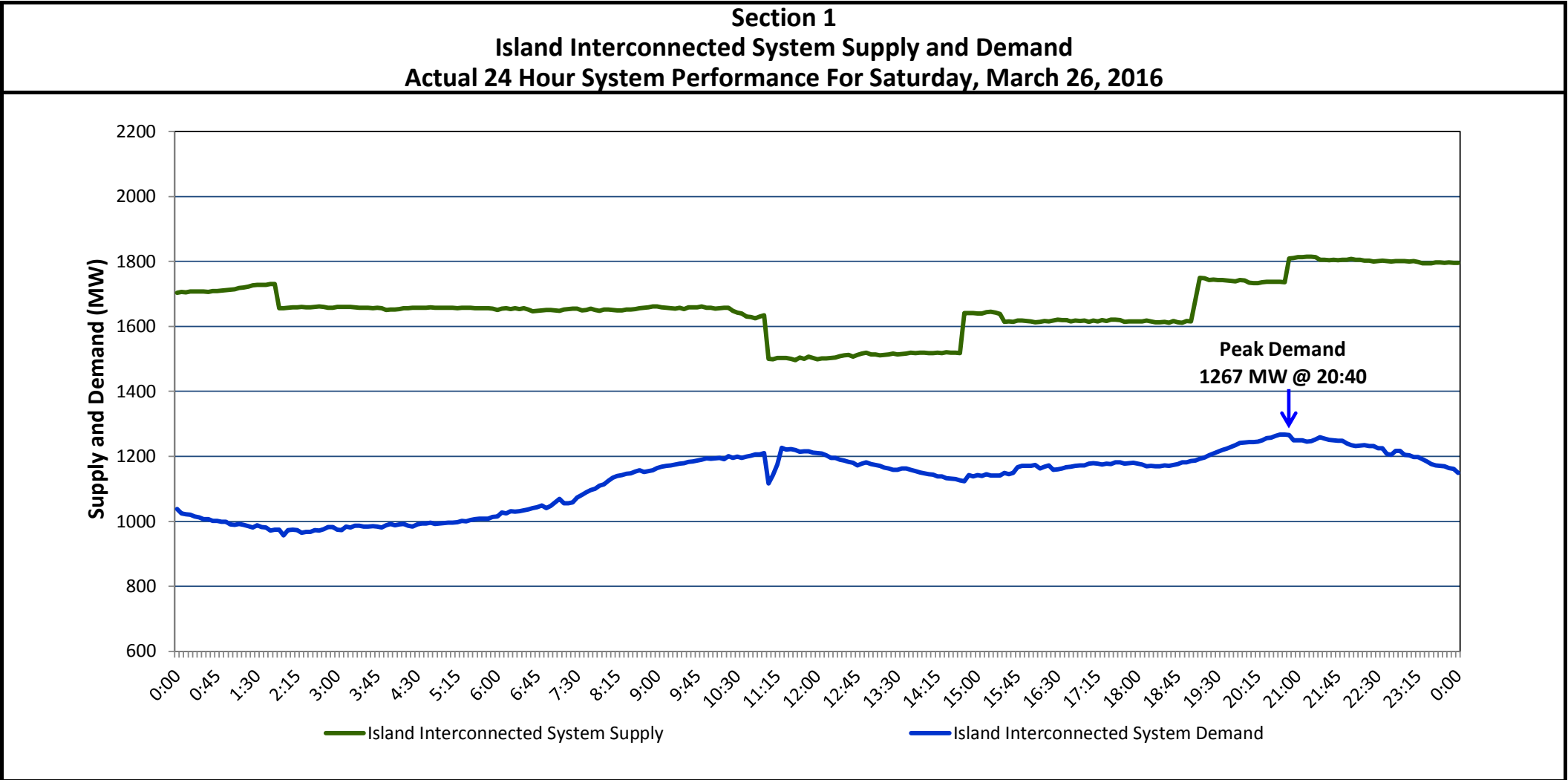


Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Monday, March 28, 2016



Supply Notes For March 26, 2016		1,2
A	As of 1956 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.	
B	As of 0710 hours, February 08, 2016, Holyrood Unit 2 derated to 120 MW (170 MW).	
C	As of 2010 hours, February 26, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).	
D	As of 0732 hours, February 29, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 19 MW, End B 25 MW.	
E	As of 1100 hours, March 16, 2016, St. Anthony Diesel Unit 546 unavailable (2 MW).	
F	At 0154 hours, March 26, 2016, Bay d'Espoir Unit 1 unavailable (76.5 MW).	
G	At 1102 hours, March 26, 2016, Cat Arm Unit 1 unavailable (67 MW).	
H	At 1102 hours, March 26, 2016, Cat Arm Unit 2 unavailable (67 MW).	
I	At 1444 hours, March 26, 2016, Holyrood Combustion Turbine available (123.5 MW).	
J	At 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).	
K	At 1901 hours, March 26, 2016, Cat Arm Unit 2 available (67 MW).	
L	At 1907 hours, March 26, 2016, Cat Arm Unit 1 available (67 MW).	
M	At 2050 hours, March 26, 2016, Bay d'Espoir Unit 1 available (76.5 MW).	

Section 2							
Island Interconnected Supply and Demand							
Sun, Mar 27, 2016		Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
				Morning	Evening	Forecast	Adjusted ⁶
Available Island System Supply: ⁵		1,805 MW	Sunday, March 27, 2016	-5	-4	1,325	1,230
NLH Generation: ⁴		1,555 MW	Monday, March 28, 2016	-2	-1	1,325	1,230
NLH Power Purchases: ⁷		105 MW	Tuesday, March 29, 2016	4	3	1,280	1,185
Other Island Generation:		145 MW	Wednesday, March 30, 2016	-2	-2	1,405	1,309
Current St. John's Temperature:		-7 °C	Thursday, March 31, 2016	-3	1	1,390	1,294
Current St. John's Windchill:		-12 °C	Friday, April 01, 2016	3	7	1,185	1,185
7-Day Island Peak Demand Forecast:		1,405 MW	Saturday, April 02, 2016	12	12	990	990
Supply Notes For March 27, 2016							
N At 0709 hours, March 27, 2016, Hawke's Bay Unit 1 unavailable (2.5 MW).							
O At 0709 hours, March 27, 2016, Hawke's Bay Unit 2 unavailable (2.5 MW).							
P At 0722 hours, March 27, 2016, Hawke's Bay Unit 1 available (2.5 MW).							
Q At 0722 hours, March 27, 2016, Hawke's Bay Unit 2 available (2.5 MW).							
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 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. Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.							
7. NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance, and Wind Generation.							

Section 3			
Island Peak Demand Information			
Previous Day Actual Peak and Current Day Forecast Peak			
Sat, Mar 26, 2016	Actual Island Peak Demand ⁸	20:40	1,267 MW
Sun, Mar 27, 2016	Forecast Island Peak Demand		1,325 MW
Notes: 8. 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).			