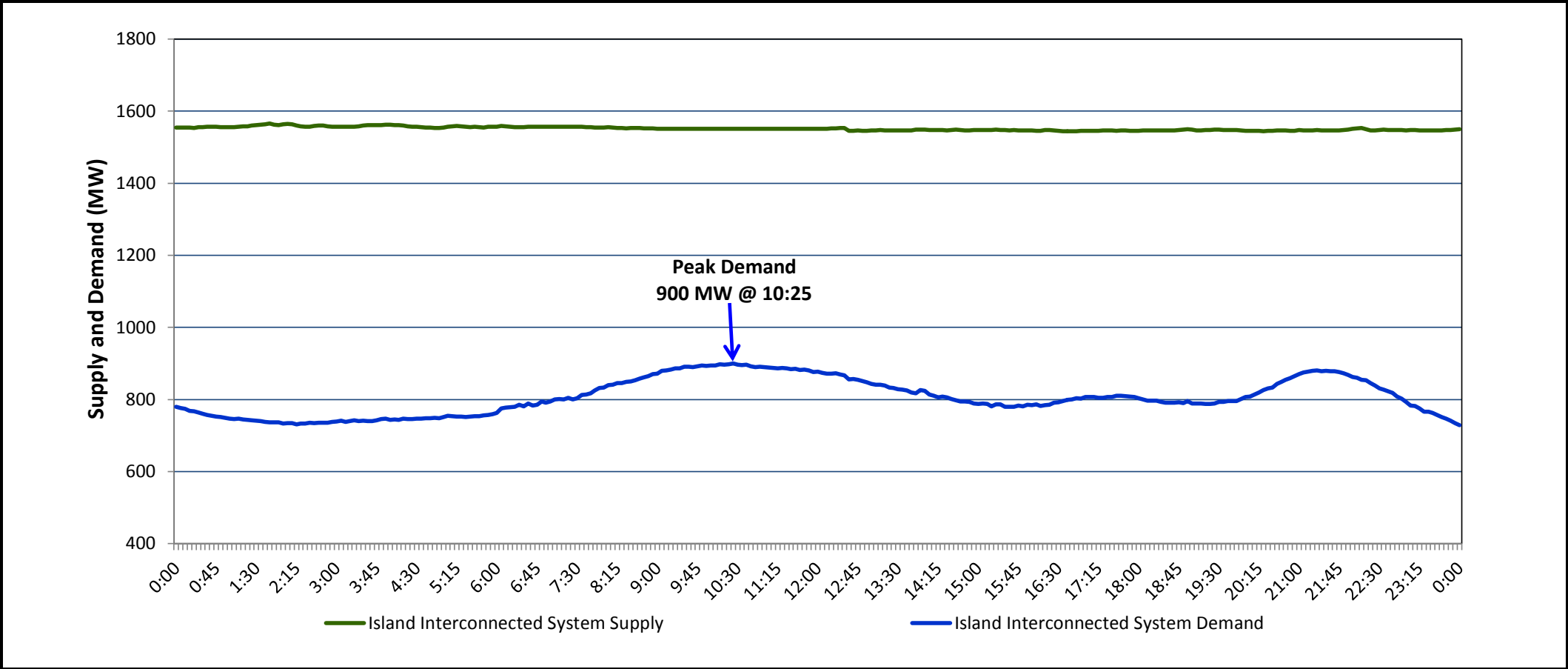


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, May 16, 2016

Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Sunday, May 15, 2016



Supply Notes For May 15, 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 0732 hours, February 29, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 19 MW, End B 25 MW.	
C	As of 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).	
D	As of 0848 hours, April 03, 2016, Bay d'Espoir Unit 1 unavailable (76.5 MW).	
E	As of 1029 hours, April 15, 2016, Holyrood Unit 3 unavailable (150 MW).	
F	As of 2209 hours, April 30, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).	
G	As of 1200 hours, May 07, 2016, Holyrood Unit 2 derated to 120 MW (170 MW).	
H	As of 0937 hours, May 10, 2016, Bay d'Espoir Unit 6 unavailable (76.5 MW).	
I	At 1233 hours, May 15, 2016, Paradise River Unit unavailable (8 MW).	

Section 2
Island Interconnected Supply and Demand

Mon, May 16, 2016	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
			Morning	Evening	
Available Island System Supply: ⁵	1,550 MW	Monday, May 16, 2016	4	7	1,015
NLH Generation: ⁴	1,255 MW	Tuesday, May 17, 2016	5	5	1,040
NLH Power Purchases: ⁶	90 MW	Wednesday, May 18, 2016	6	6	1,005
Other Island Generation:	205 MW	Thursday, May 19, 2016	5	9	1,030
Current St. John's Temperature:	3 °C	Friday, May 20, 2016	9	11	850
Current St. John's Windchill:	N/A °C	Saturday, May 21, 2016	10	11	795
7-Day Island Peak Demand Forecast:	1,040 MW	Sunday, May 22, 2016	12	11	795

Supply Notes For May 16, 2016		3
J	At 0714 hours, May 16, 2016, Paradise River Unit available (8 MW).	
K	At 0724 hours, May 16 2016, Nalcor Exploits Grand Falls Unit 4 (30 MW) unavailable. Net impact to the Island Interconnected System is 7 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.	NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance (when applicable), and Wind Generation.

Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak

Sun, May 15, 2016	Actual Island Peak Demand ⁸	10:25	900 MW
Mon, May 16, 2016	Forecast Island Peak Demand		1,015 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).			
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