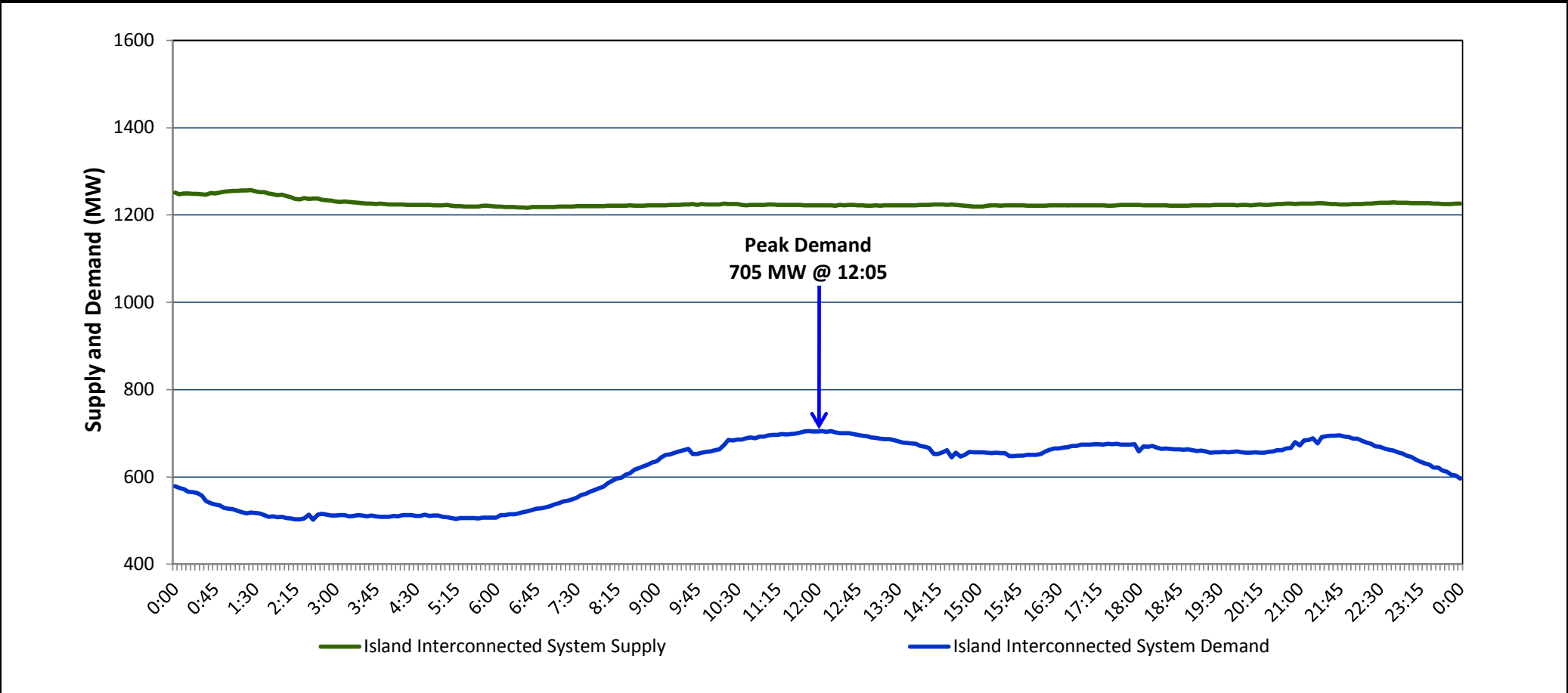


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, July 04, 2016

Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Saturday, July 02, 2016



Supply Notes For July 02, 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 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).	
C	As of 1029 hours, April 15, 2016, Holyrood Unit 3 unavailable (150 MW).	
D	As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 3 unavailable (76.5 MW).	
E	As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 4 unavailable (76.5 MW).	
F	As of 2008 hours, June 06, 2016, Stephenville Gas Turbine End B unavailable (25 MW).	
G	As of 2315 hours, June 08, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).	
H	As of 1411 hours, June 09, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 19 MW, End B 25 MW.	
I	As of 1425 hours, June 16, 2016, Holyrood Unit 2 unavailable. Previously derated to 120 MW (170 MW).	
J	As of 0833 hours, June 30, 2016, Bay d'Espoir Unit 7 unavailable (154.4 MW).	
K	As of 1000 hours, June 30, 2016, Nalcor Exploits Grand Falls Unit 4 (30 MW) unavailable. Net impact to the Island Interconnected System is 7 MW.	

Section 2
Island Interconnected Supply and Demand

Sun, Jul 03, 2016		Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
				Morning	Evening	
Available Island System Supply: ⁵		1,245 MW	Sunday, July 03, 2016	12	11	780
NLH Generation: ⁴		955 MW	Monday, July 04, 2016	13	15	795
NLH Power Purchases: ⁶		100 MW	Tuesday, July 05, 2016	15	13	765
Other Island Generation:		190 MW	Wednesday, July 06, 2016	10	8	850
Current St. John's Temperature:		11 °C	Thursday, July 07, 2016	9	11	820
Current St. John's Windchill:		N/A °C	Friday, July 08, 2016	10	10	785
7-Day Island Peak Demand Forecast:		850 MW	Saturday, July 09, 2016	13	11	755

Supply Notes For July 03, 2016		3
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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

Sat, Jul 02, 2016	Actual Island Peak Demand ⁸	12:05	705 MW
Sun, Jul 03, 2016	Forecast Island Peak Demand		780 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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