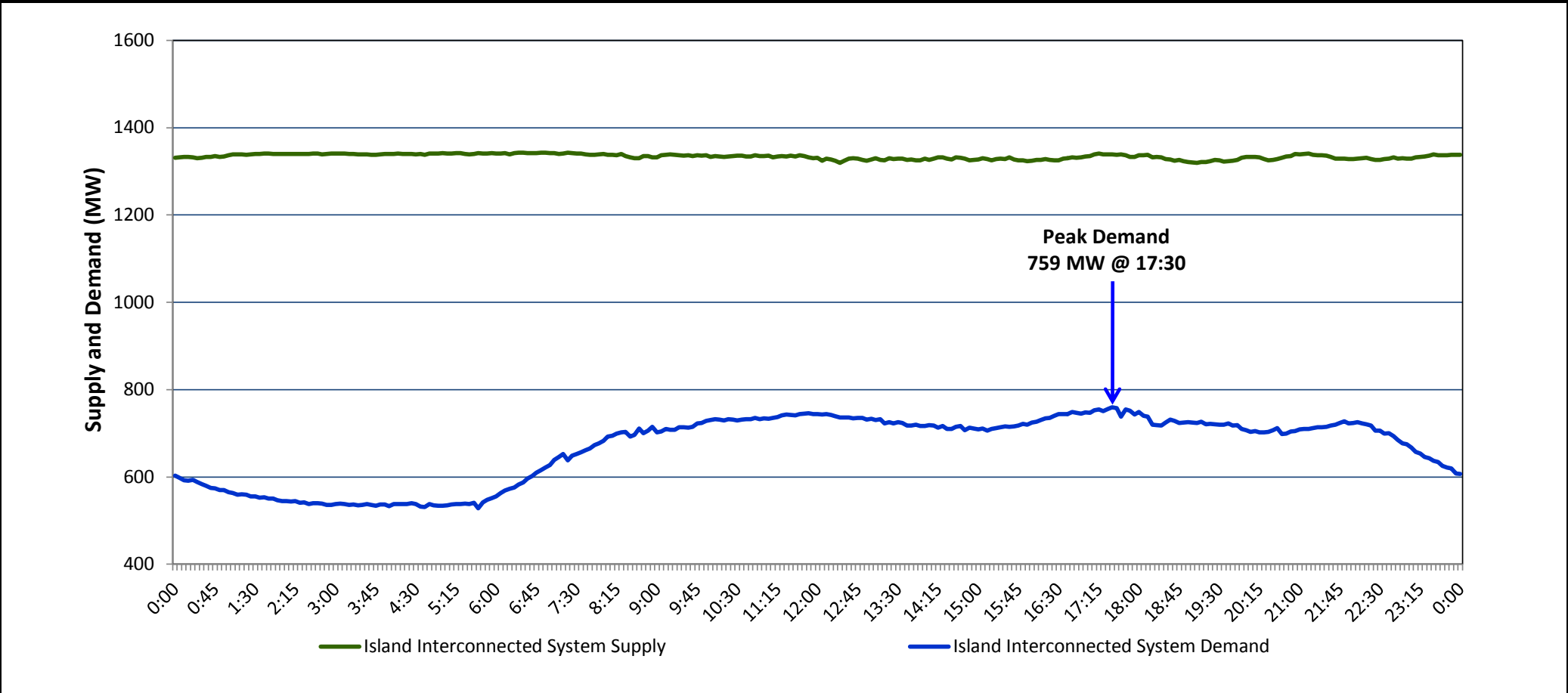


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, June 29, 2016

Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Tuesday, June 28, 2016



Supply Notes For June 28, 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 0937 hours, May 10, 2016, Bay d'Espoir Unit 6 unavailable (76.5 MW).	
E	As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 3 unavailable (76.5 MW).	
F	As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 4 unavailable (76.5 MW).	
G	As of 1059 hours, June 05, 2016, Nalcor Exploits Grand Falls Unit 9 (30 MW) unavailable. Net impact to the Island Interconnected System is 7 MW.	
H	As of 2008 hours, June 06, 2016, Stephenville Gas Turbine End B unavailable (25 MW).	
I	As of 2315 hours, June 08, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).	
J	As of 1411 hours, June 09, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 19 MW, End B 25 MW.	
K	As of 1425 hours, June 16, 2016, Holyrood Unit 2 unavailable. Previously derated to 120 MW (170 MW).	

Section 2
Island Interconnected Supply and Demand

Wed, Jun 29, 2016 Island System Outlook ³		Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
			Morning	Evening	
Available Island System Supply: ⁵	1,335 MW	Wednesday, June 29, 2016	19	19	790
NLH Generation: ⁴	1,030 MW	Thursday, June 30, 2016	18	19	770
NLH Power Purchases: ⁶	125 MW	Friday, July 01, 2016	18	18	750
Other Island Generation:	180 MW	Saturday, July 02, 2016	15	11	745
Current St. John's Temperature:	20 °C	Sunday, July 03, 2016	11	14	775
Current St. John's Windchill:	N/A °C	Monday, July 04, 2016	14	14	780
7-Day Island Peak Demand Forecast:	790 MW	Tuesday, July 05, 2016	16	14	765

Supply Notes For June 29, 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

Tue, Jun 28, 2016	Actual Island Peak Demand ⁸	17:30	759 MW
Wed, Jun 29, 2016	Forecast Island Peak Demand		790 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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