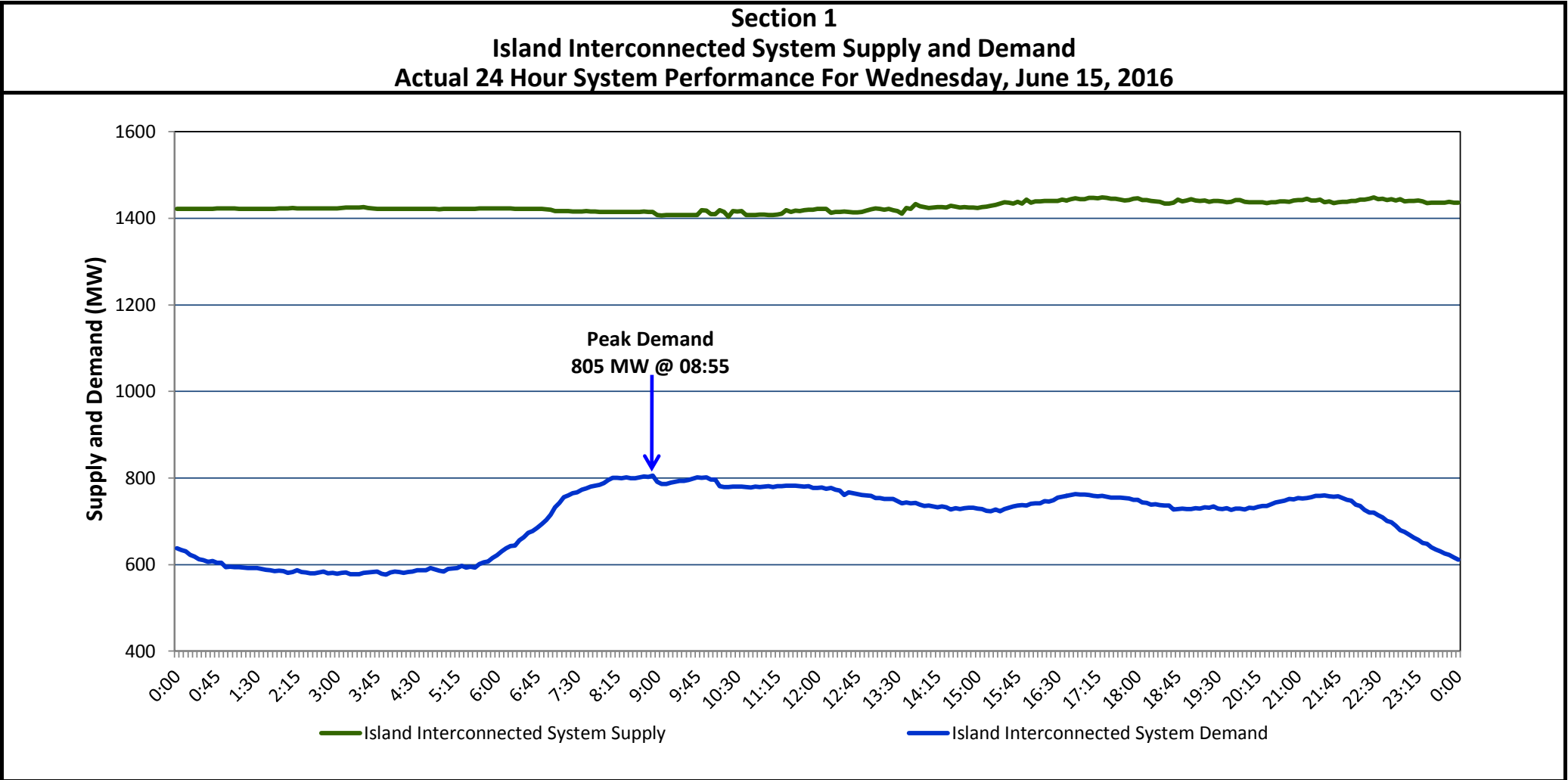


Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Thursday, June 16, 2016



Supply Notes For June 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 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 0919 hours, May 29, 2016, Holyrood Unit 2 derated to 120 MW (170 MW).	
F	As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 3 unavailable (76.5 MW).	
G	As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 4 unavailable (76.5 MW).	
H	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.	
I	As of 2008 hours, June 06, 2016, Stephenville Gas Turbine End B unavailable (25 MW).	
J	As of 2315 hours, June 08, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).	
K	As of 1411 hours, June 09, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 19 MW, End B 25 MW.	
L	At 0857 hours, June 15, 2016, Paradise River Unit unavailable (8 MW).	
M	At 1124 hours, June 15, 2016, Paradise River Unit available (8 MW).	
N	At 1210 hours, June 15, 2016, Paradise River Unit unavailable (8 MW).	
O	At 1349 hours, June 15, 2016, Paradise River Unit available (8 MW).	

Section 2 Island Interconnected Supply and Demand							
Thu, Jun 16, 2016		Island System Outlook ³		Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
					Morning	Evening	
Available Island System Supply: ⁵		1,440	MW	Thursday, June 16, 2016	9	8	870
NLH Generation: ⁴		1,150	MW	Friday, June 17, 2016	8	7	905
NLH Power Purchases: ⁶		115	MW	Saturday, June 18, 2016	5	6	920
Other Island Generation:		175	MW	Sunday, June 19, 2016	12	18	765
Current St. John's Temperature:		9	°C	Monday, June 20, 2016	16	15	770
Current St. John's Windchill:		N/A	°C	Tuesday, June 21, 2016	17	17	775
7-Day Island Peak Demand Forecast:		920	MW	Wednesday, June 22, 2016	16	18	765
Supply Notes For June 16, 2016							3
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			
Wed, Jun 15, 2016	Actual Island Peak Demand ⁸	08:55	805 MW
Thu, Jun 16, 2016	Forecast Island Peak Demand		870 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).			