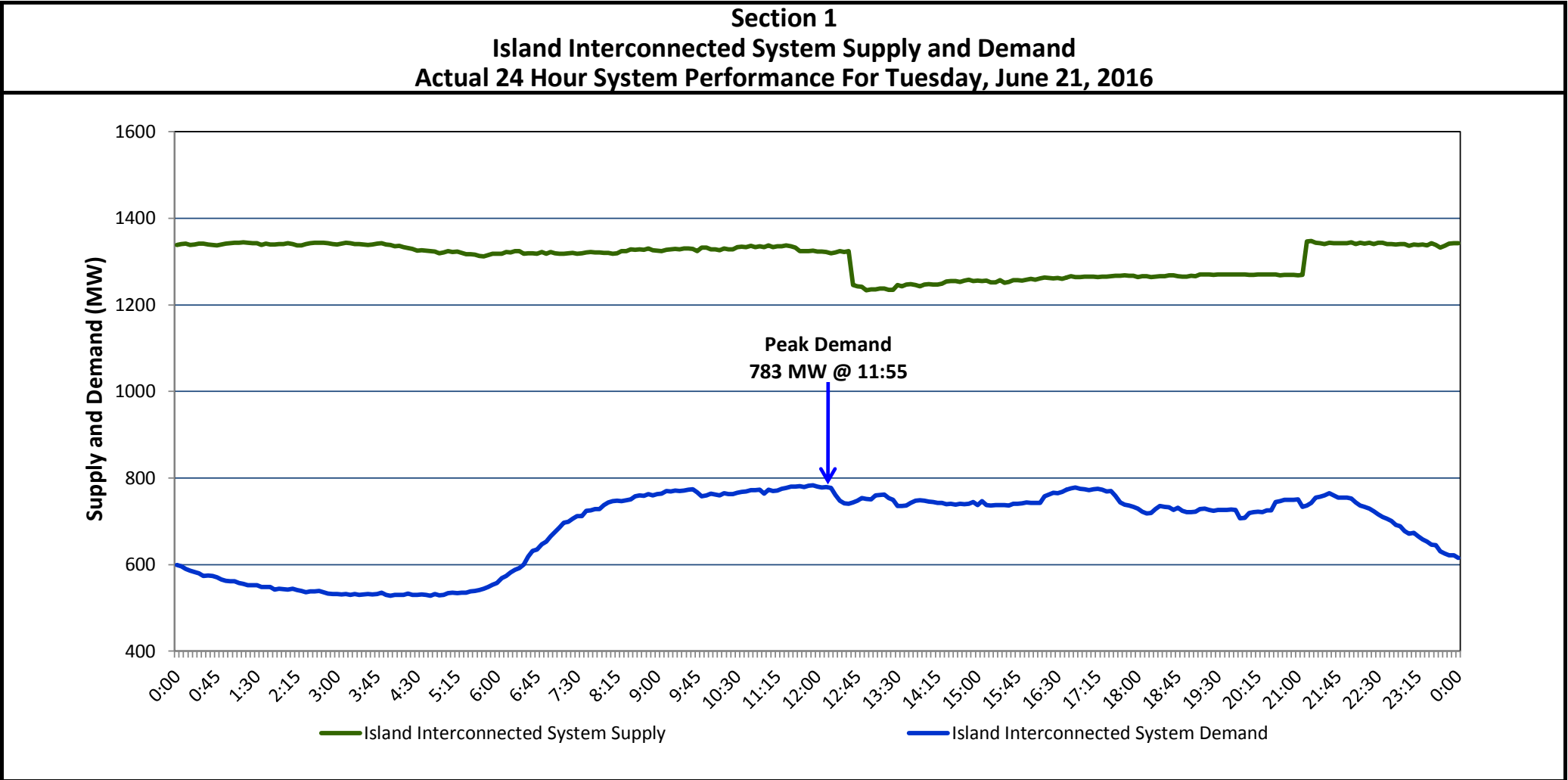


Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Wednesday, June 22, 2016



Supply Notes For June 21, 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).	
L	At 1138 hours, June 21, 2016 Paradise River Unit unavailable (8MW).	
M	At 1237 hours, June 21, 2016 Bay d'Espoir Unit 5 unavailable (76.5 MW).	
N	At 1330 hours, June 21, 2016 Paradise River Unit available (8MW).	
O	At 2110 hours, June 21, 2016 Bay d'Espoir Unit 5 available (76.5 MW).	

Section 2					
Island Interconnected Supply and Demand					
Wed, Jun 22, 2016		Island System Outlook ³	Seven-Day Forecast	Temperature (°C)	
				Morning	Evening
Available Island System Supply: ⁵		1,345 MW	Wednesday, June 22, 2016	17	17
NLH Generation: ⁴		1,030 MW	Thursday, June 23, 2016	16	15
NLH Power Purchases: ⁶		140 MW	Friday, June 24, 2016	13	13
Other Island Generation:		175 MW	Saturday, June 25, 2016	14	16
Current St. John's Temperature:		16 °C	Sunday, June 26, 2016	15	16
Current St. John's Windchill:		N/A °C	Monday, June 27, 2016	15	17
7-Day Island Peak Demand Forecast:		785 MW	Tuesday, June 28, 2016	18	18
Island System Daily Peak Demand (MW) Forecast					
785					
Supply Notes For June 22, 2016					
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 21, 2016	Actual Island Peak Demand ⁸	11:55	783 MW
Wed, Jun 22, 2016	Forecast Island Peak Demand		785 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).			