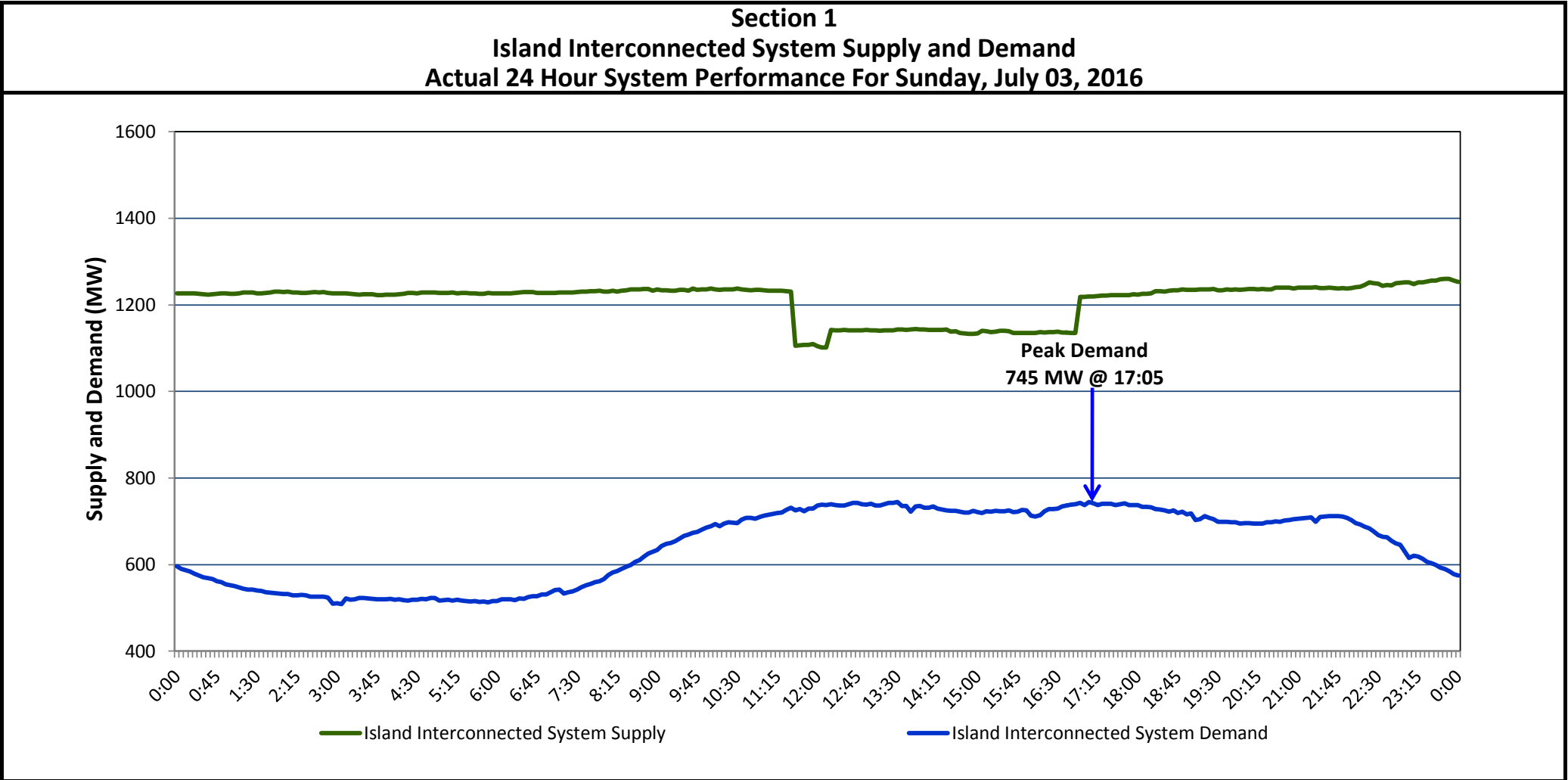


Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Monday, July 04, 2016



Supply Notes For July 03, 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.	
L	At 1131 hours, July 03, 2016, Upper Salmon Unit unavailable (84 MW).	
M	At 1131 hours, July 03, 2016, Granite Canal Unit unavailable (40 MW).	
N	At 1214 hours, July 03, 2016, Granite Canal Unit available (40 MW).	
O	At 1655 hours, July 03, 2016, Upper Salmon Unit available (84 MW).	

Section 2							
Island Interconnected Supply and Demand							
Mon, Jul 04, 2016		Island System Outlook <sup>3</sup>		Seven-Day Forecast	Temperature		Island System Daily Peak Demand (MW)
					°C		
					Morning	Evening	Forecast
Available Island System Supply: <sup>5</sup>		1,260	MW	Monday, July 04, 2016	14	15	790
NLH Generation: <sup>4</sup>		955	MW	Tuesday, July 05, 2016	15	17	775
NLH Power Purchases: <sup>6</sup>		120	MW	Wednesday, July 06, 2016	13	8	865
Other Island Generation:		185	MW	Thursday, July 07, 2016	8	9	840
Current St. John's Temperature:		13	°C	Friday, July 08, 2016	12	14	785
Current St. John's Windchill:		N/A	°C	Saturday, July 09, 2016	10	10	775
7-Day Island Peak Demand Forecast:		865	MW	Sunday, July 10, 2016	11	11	745
Supply Notes For July 04, 2016 <sup>3</sup>							
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, Jul 03, 2016	Actual Island Peak Demand <sup>8</sup>	17:05	745 MW
Mon, Jul 04, 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).			