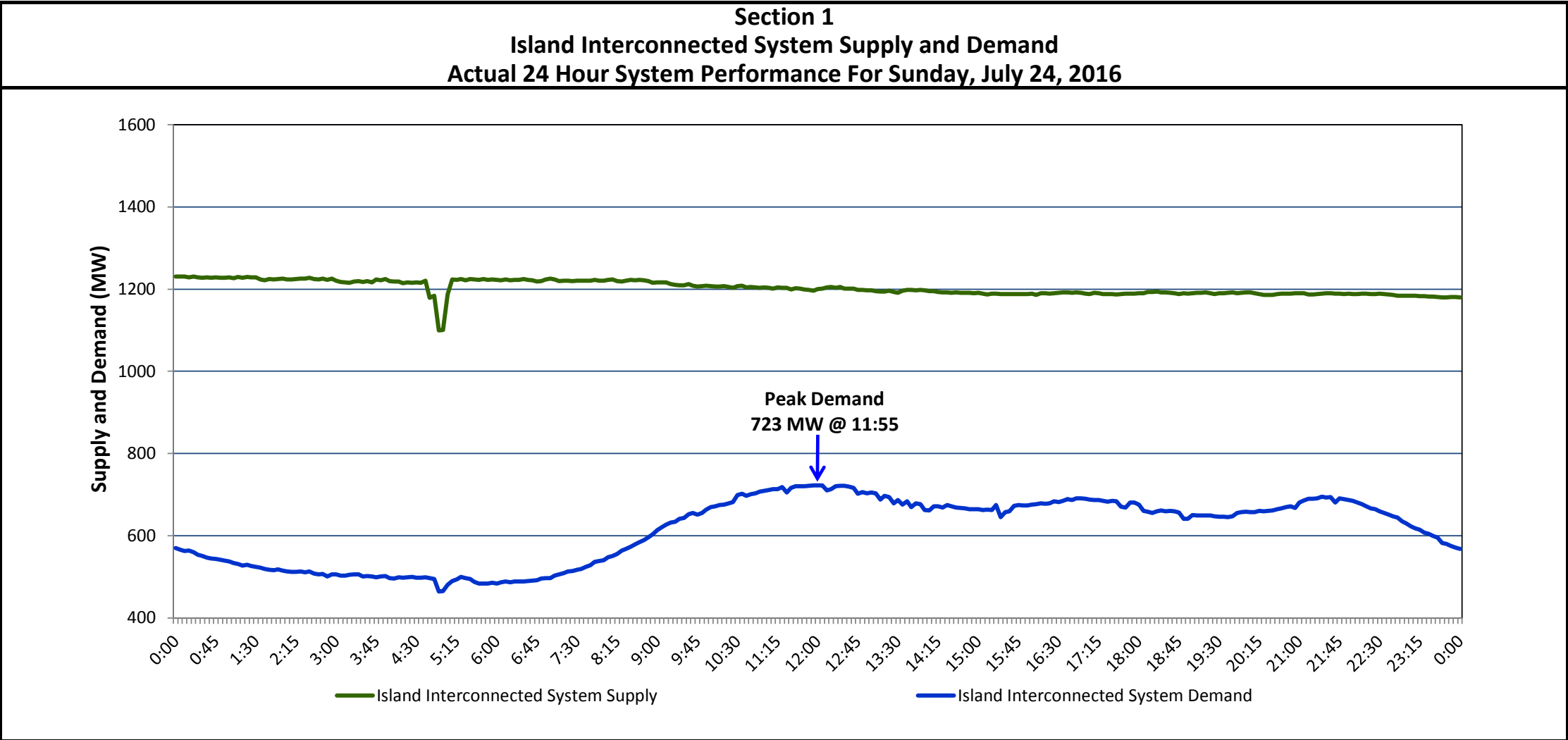


Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Monday, July 25, 2016



Supply Notes For July 24, 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 1425 hours, June 16, 2016, Holyrood Unit 2 unavailable. Previously derated to 120 MW (170 MW).	
H	As of 0833 hours, June 30, 2016, Bay d'Espoir Unit 7 unavailable (154.4 MW).	
I	As of 0846 hours, July 12, 2016, St. Anthony Diesel Plant G6 (unit 544) unavailable (2 MW).	
J	As of 1316 hours, July 15, 2016, Nalcor Exploits Grand Falls Unit 4 unavailable. Net impact to the Island Interconnected System is 7 MW.	
K	As of 1610 hours, July 16, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).	
L	As of 1125 hours, July 18, 2016, Hardwoods Turbine unavailable. Previously derated to 38 MW (50 MW).	
M	At 0445 hours, July 24, 2016, Granite Canal Unit unavailable (40 MW).	
N	At 0453 hours, July 24, 2016, Upper Salmon Unit unavailable (84 MW).	
O	At 0501 hours, July 24, 2016, Upper Salmon Unit available (84 MW).	
P	At 0508 hours, July 24, 2016, Granite Canal Unit available (40 MW).	

Section 2 Island Interconnected Supply and Demand							
Mon, Jul 25, 2016	Island System Outlook <sup>3</sup>			Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
					Morning	Evening	Forecast
	Available Island System Supply: <sup>5</sup>	1,170	MW	Monday, July 25, 2016	18	18	765
	NLH Generation: <sup>4</sup>	915	MW	Tuesday, July 26, 2016	17	17	750
	NLH Power Purchases: <sup>6</sup>	90	MW	Wednesday, July 27, 2016	17	17	760
	Other Island Generation:	165	MW	Thursday, July 28, 2016	16	16	760
	Current St. John's Temperature:	17	°C	Friday, July 29, 2016	16	18	765
	Current St. John's Windchill:	N/A	°C	Saturday, July 30, 2016	16	14	740
	7-Day Island Peak Demand Forecast:	765	MW	Sunday, July 31, 2016	14	14	755
<u>Supply Notes For July 25, 2016</u> <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 24, 2016	Actual Island Peak Demand <sup>8</sup>	11:55	723 MW
Mon, Jul 25, 2016	Forecast Island Peak Demand		765 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).			