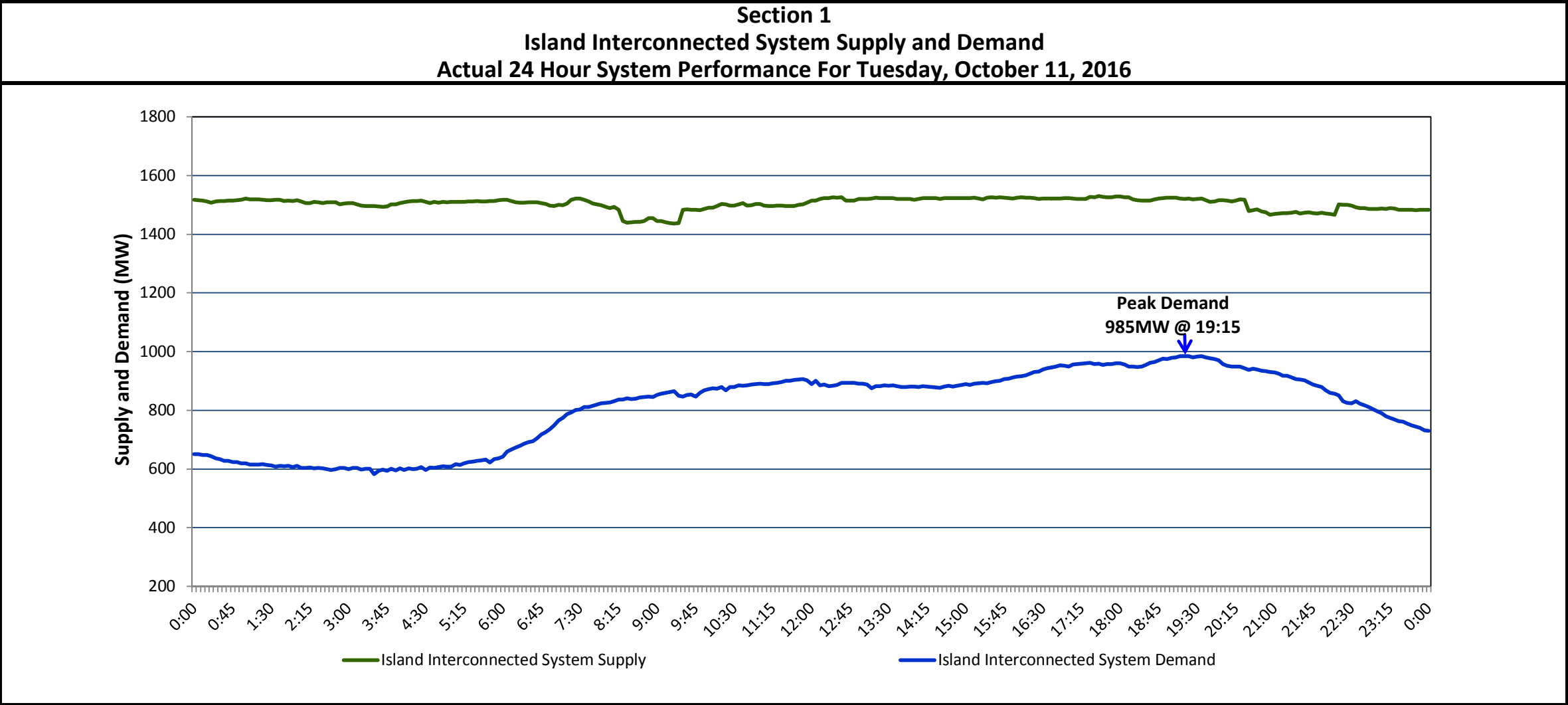


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, October 12, 2016



Supply Notes For October 11, 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 1316 hours, July 15, 2016, Nalcor Exploits Grand Falls Unit 4 unavailable. Net impact to the Island Interconnected System is 7 MW.
D	As of 1341 hours, August 27, 2016, Holyrood Unit 1 unavailable. Previously derated to 120 MW (170 MW).
E	As of 0714 hours, August 31, 2016, Cat Arm Unit 1 unavailable (67 MW).
F	As of 1719 hours, September 09, 2016, Nalcor Exploits Bishop's Falls plant units 7 and 9 unavailable. No net impact to the Island Interconnected System.
G	As of 0717 hours, September 14, 2016, Bay d'Espoir Unit 1 unavailable (76.5 MW).
H	As of 0717 hours, September 14, 2016, Bay d'Espoir Unit 2 unavailable (76.5 MW).
I	As of 1956 hours, September 30, 2016, Paradise River Unit unavailable (8 MW).
J	As of 1154 hours, October 02, 2016, Holyrood Unit 3 derated to 135 MW (150 MW).
K	As of 0808 hours, October 04, 2016, Holyrood Diesels unit 5 unavailable (2 MW). No net impact to the Island Interconnected System.
L	As of 2132 hours, October 10, 2016, Nalcor Exploits Bishop's Falls plant units 1,2,3,4,5,6 and 8 unavailable. Net impact to the Island Interconnected System is 15 MW.
M	At 0513 hours, October 11, 2016, Star Lake Unit unavailable (18 MW).
N	At 0817 hours, October 11, 2016, Hardwoods Gas Turbine unavailable. Previously derated to 38 MW (50 MW).
O	At 0929 hours, October 11, 2016, Hardwoods Gas Turbine available. Derated to 38 MW (50 MW).
P	At 1051 hours, October 11, 2016, Nalcor Exploits Grand Falls Unit 5 available. Net gain to the Island Interconnected System is 4 MW.
Q	At 1730 hours, October 11, 2016, Hawkes Bay Diesel Plant available (5 MW).
R	At 1851 hours, October 11, 2016, Star Lake Unit available (18 MW).
S	At 2027 hours, October 11, 2016, Hardwoods Gas Turbine unavailable. Previously derated to 38 MW (50 MW).
T	At 2214 hours, October 11, 2016, Hardwoods Gas Turbine available. Derated to 38 MW (50 MW).

Section 2
Island Interconnected Supply and Demand

Wed, Oct 12, 2016		Island System Outlook ³		Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)	
						Morning	Evening	Forecast	
Available Island System Supply: ⁵		1,455	MW	Wednesday, October 12, 2016		5	8	1,045	
NLH Generation: ⁴		1,205	MW	Thursday, October 13, 2016		10	10	950	
NLH Power Purchases: ⁶		75	MW	Friday, October 14, 2016		11	12	885	
Other Island Generation:		175	MW	Saturday, October 15, 2016		11	7	1,005	
Current St. John's Temperature:		2	°C	Sunday, October 16, 2016		8	9	1,015	
Current St. John's Windchill:		N/A	°C	Monday, October 17, 2016		10	9	995	
7-Day Island Peak Demand Forecast:		1,045	MW	Tuesday, October 18, 2016		11	8	1,035	
Supply Notes For October 12, 2016 ³									
U At 0453 hours, October 12, 2016, Hardwoods Gas Turbine unavailable. Previously derated to 38 MW (50 MW).									
Notes: <div><div>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.</div><div>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.</div><div>3. As of 0800 Hours.</div><div>4. Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).</div><div>5. Gross output from all Island sources (including Note 4).</div><div>6. NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance (when applicable), and Wind Generation.</div></div>									

Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak

Tue, Oct 11, 2016	Actual Island Peak Demand ⁸	19:15	985 MW
Wed, Oct 12, 2016	Forecast Island Peak Demand		1,045 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).			