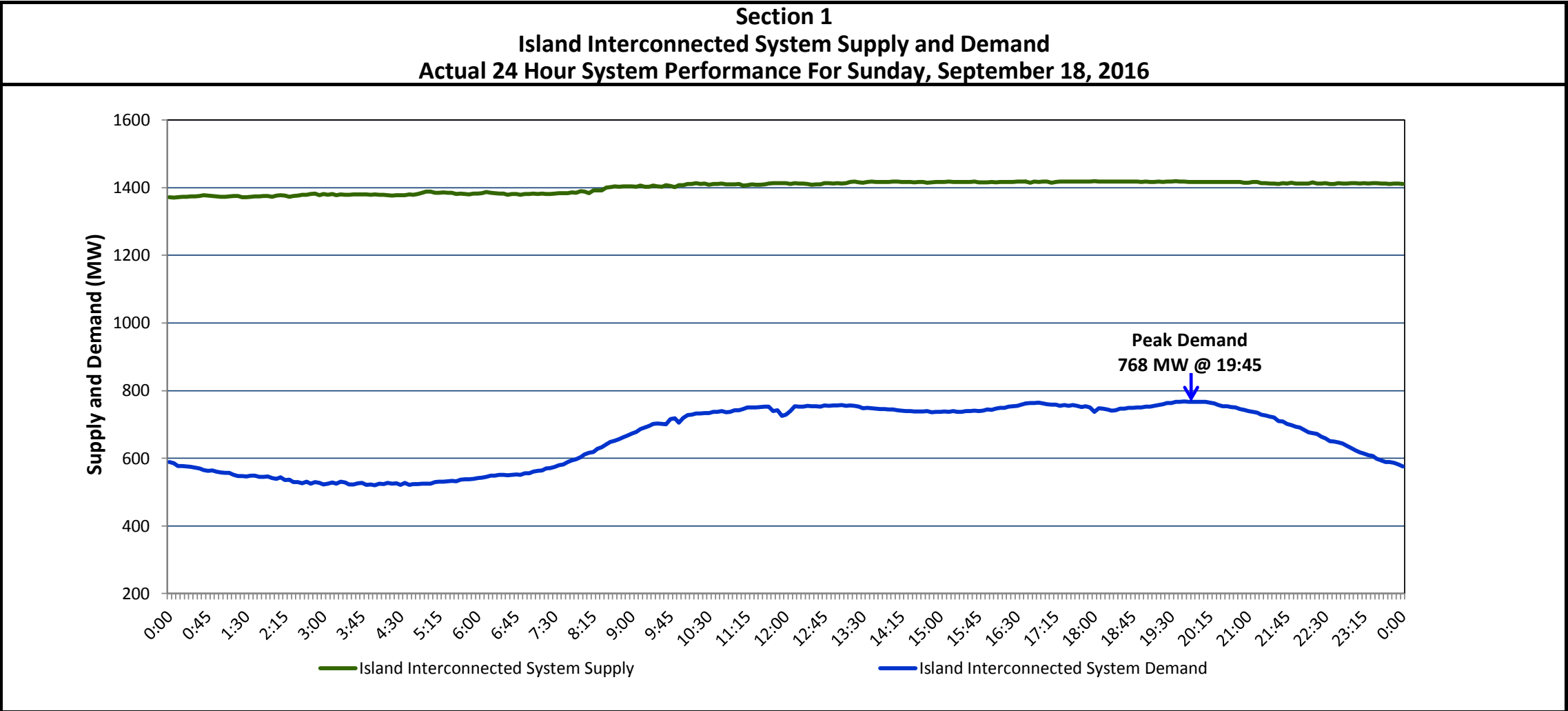


Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, September 19, 2016



Supply Notes For September 18, 20161,2

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 1733 hours, August 26, 2016, Holyrood Unit 3 derated to 135 MW (150 MW).
E	As of 1341 hours, August 27, 2016, Holyrood Unit 1 unavailable. Previously derated to 120 MW (170 MW).
F	As of 0757 hours, August 29, 2016, Bay d'Espoir Unit 5 unavailable (76.5 MW).
G	As of 0714 hours, August 31, 2016, Cat Arm Unit 1 unavailable (67 MW).
H	As of 1609 hours, August 31, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW).
I	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.
J	As of 0902 hours, September 12, 2016, Stephenville Gas Turbine End B unavailable (25 MW).
K	As of 0717 hours, September 14, 2016, Bay d'Espoir Unit 1 unavailable (76.5 MW).
L	As of 0717 hours, September 14, 2016, Bay d'Espoir Unit 2 unavailable (76.5 MW).
M	As of 0313 hours, September 15, 2016, Holyrood Unit 2 derated to 130 MW (170 MW).
N	At 0830 hours, September 18, 2016, Paradise River Unit available (8 MW).

Section 2  
Island Interconnected Supply and Demand

Mon, Sep 19, 2016      Island System Outlook <sup>3</sup>		Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
			Morning	Evening	
Available Island System Supply: <sup>5</sup>	1,370 MW	Monday, September 19, 2016	12	8	920
NLH Generation: <sup>4</sup>	1,110 MW	Tuesday, September 20, 2016	9	10	925
NLH Power Purchases: <sup>6</sup>	95 MW	Wednesday, September 21, 2016	14	14	825
Other Island Generation:	165 MW	Thursday, September 22, 2016	13	14	840
Current St. John's Temperature:	10 °C	Friday, September 23, 2016	10	11	850
Current St. John's Windchill:	N/A °C	Saturday, September 24, 2016	10	9	855
7-Day Island Peak Demand Forecast:	925 MW	Sunday, September 25, 2016	8	5	870

Supply Notes For September 19, 20163

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, Sep 18, 2016	Actual Island Peak Demand <sup>8</sup>	19:45	768 MW
Mon, Sep 19, 2016	Forecast Island Peak Demand		920 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).