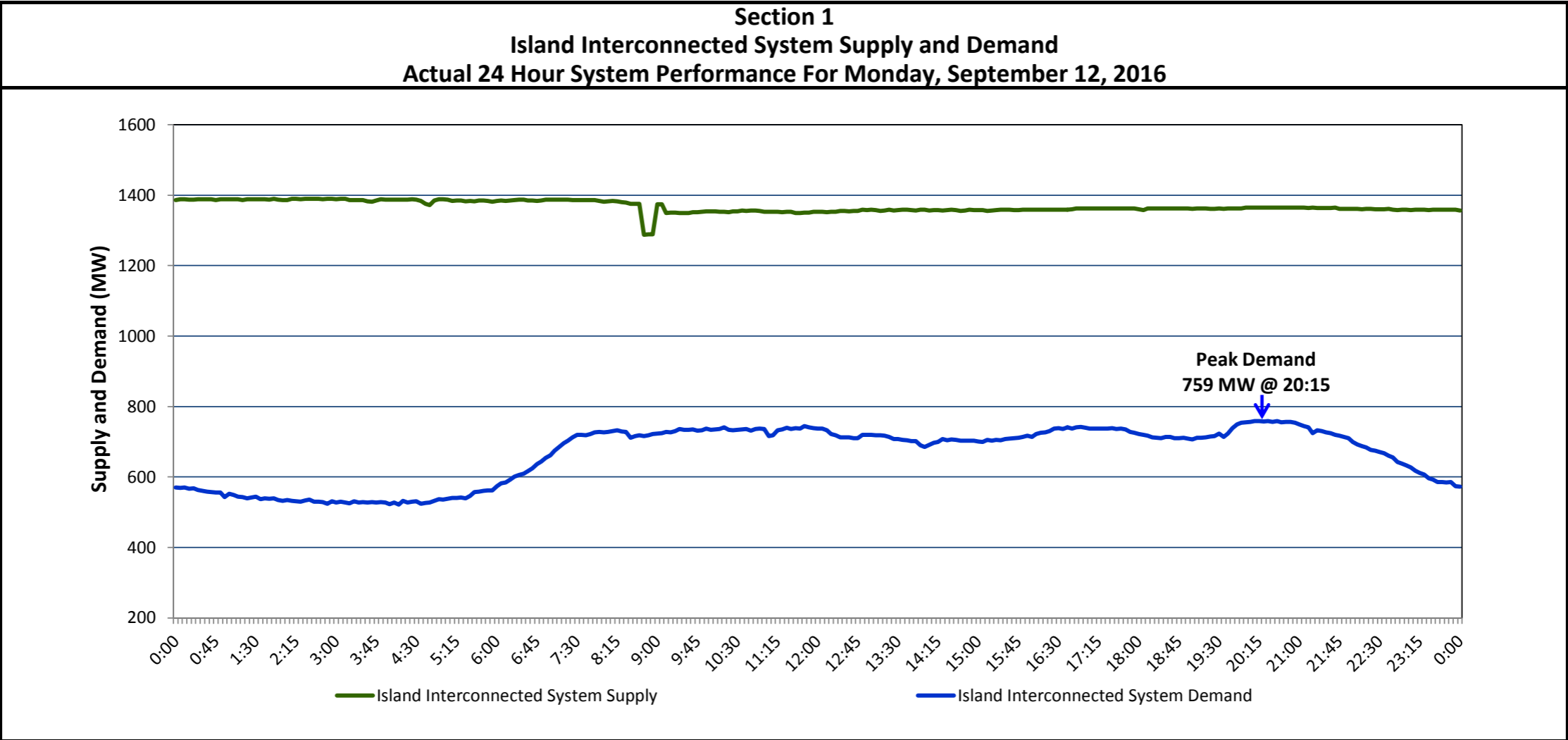


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, September 13, 2016



Supply Notes For September 12, 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 0822 hours, June 05, 2016, Bay d'Espoir Unit 4 unavailable (76.5 MW).
D	As of 1425 hours, June 16, 2016, Holyrood Unit 2 unavailable. Previously derated to 120 MW (170 MW).
E	As of 1316 hours, July 15, 2016, Nalcor Exploits Grand Falls Unit 4 unavailable. Net impact to the Island Interconnected System is 7 MW.
F	As of 1733 hours, August 26, 2016, Holyrood Unit 3 derated to 135 MW (150 MW).
G	As of 1341 hours, August 27, 2016, Holyrood Unit 1 unavailable. Previously derated to 120 MW (170 MW).
H	As of 0757 hours, August 29, 2016, Bay d'Espoir Unit 5 unavailable (76.5 MW).
I	As of 0714 hours, August 31, 2016, Cat Arm Unit 1 unavailable (67 MW).
J	As of 1609 hours, August 31, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW).
K	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.
L	At 0842 hours, September 12, 2016, Upper Salmon Unit unavailable (84 MW).
M	At 0858 hours, September 12, 2016, Upper Salmon Unit available (84 MW).
N	At 0902 hours, September 12, 2016, Stephenville Gas Turbine End B unavailable (25 MW).
O	At 1036 hours, September 12, 2016, St. Anthony Diesel Plant G6 (Unit 544) unavailable (2 MW).
P	At 1155 hours, September 12, 2016, St. Anthony Diesel Plant G6 (Unit 544) available (2 MW).

Section 2

Island Interconnected Supply and Demand

Tue, Sep 13, 2016 Island System Outlook ³			Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)
					Morning	Evening	Forecast
Available Island System Supply: ⁵	1,345	MW	Tuesday, September 13, 2016		13	17	760
NLH Generation: ⁴	1,055	MW	Wednesday, September 14, 2016		17	17	780
NLH Power Purchases: ⁶	125	MW	Thursday, September 15, 2016		16	12	885
Other Island Generation:	165	MW	Friday, September 16, 2016		8	8	950
Current St. John's Temperature:	12	°C	Saturday, September 17, 2016		11	14	785
Current St. John's Windchill:	N/A	°C	Sunday, September 18, 2016		15	15	805
7-Day Island Peak Demand Forecast:	950	MW	Monday, September 19, 2016		15	15	830
Supply Notes For September 13, 2016 ³							
<div>Notes:</div> <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

Mon, Sep 12, 2016	Actual Island Peak Demand ⁸	20:15	759 MW
Tue, Sep 13, 2016	Forecast Island Peak Demand		760 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).			