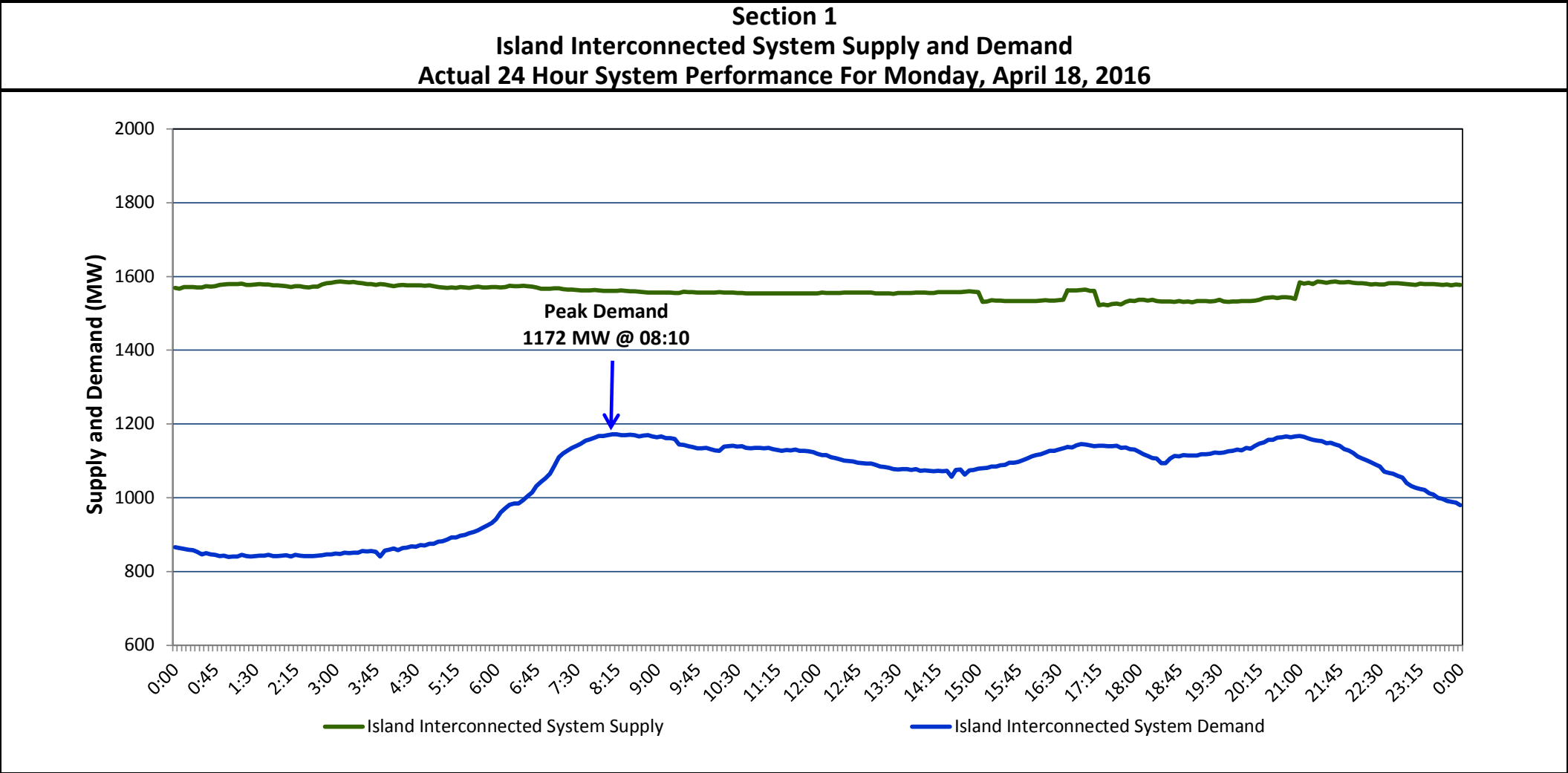


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, April 19, 2016



Supply Notes For April 18, 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 2010 hours, February 26, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).
C	As of 0732 hours, February 29, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 19 MW, End B 25 MW.
D	As of 1100 hours, March 16, 2016, St. Anthony Diesel Unit 546 unavailable (2 MW).
E	As of 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).
F	As of 1335 hours, April 02, 2016, Holyrood Unit 2 derated to 120 MW (170 MW).
G	As of 0848 hours, April 03, 2016, Bay d'Espoir Unit 1 unavailable (76.5 MW).
H	As of 0848 hours, April 03, 2016, Bay d'Espoir Unit 2 unavailable (76.5 MW).
I	As of 1029 hours, April 15, 2016, Holyrood Unit 3 unavailable (150 MW).
J	At 1504 hours, April 18, 2016, Nalcor Exploits Grand Falls Unit 4 unavailable (30 MW). 30 MW net loss to the Island Interconnect System.
K	At 1634 hours, April 18, 2016, Nalcor Exploits Grand Falls Unit 4 available (30 MW). 30 MW net gain to the Island Interconnect System.
L	At 1711 hours, April 18, 2016, Granite Canal Unit unavailable (40 MW).
M	At 2052 hours, April 18, 2016, Granite Canal Unit available (40 MW).

Section 2
Island Interconnected Supply and Demand

Tue, Apr 19, 2016			Island System Outlook ³		Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
						Morning	Evening	Forecast
Available Island System Supply: ⁵			1,570	MW	Tuesday, April 19, 2016	-2	-1	1,300
NLH Generation: ⁴			1,250	MW	Wednesday, April 20, 2016	0	1	1,315
NLH Power Purchases: ⁶			130	MW	Thursday, April 21, 2016	2	2	1,190
Other Island Generation:			190	MW	Friday, April 22, 2016	2	2	1,160
Current St. John's Temperature:			-3	°C	Saturday, April 23, 2016	2	2	1,035
Current St. John's Windchill:			-9	°C	Sunday, April 24, 2016	3	4	1,025
7-Day Island Peak Demand Forecast:			1,315	MW	Monday, April 25, 2016	2	2	1,215
Supply Notes For April 19, 2016								
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

Mon, Apr 18, 2016	Actual Island Peak Demand ⁸	08:10	1,172 MW
Tue, Apr 19, 2016	Forecast Island Peak Demand		1,300 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).			