

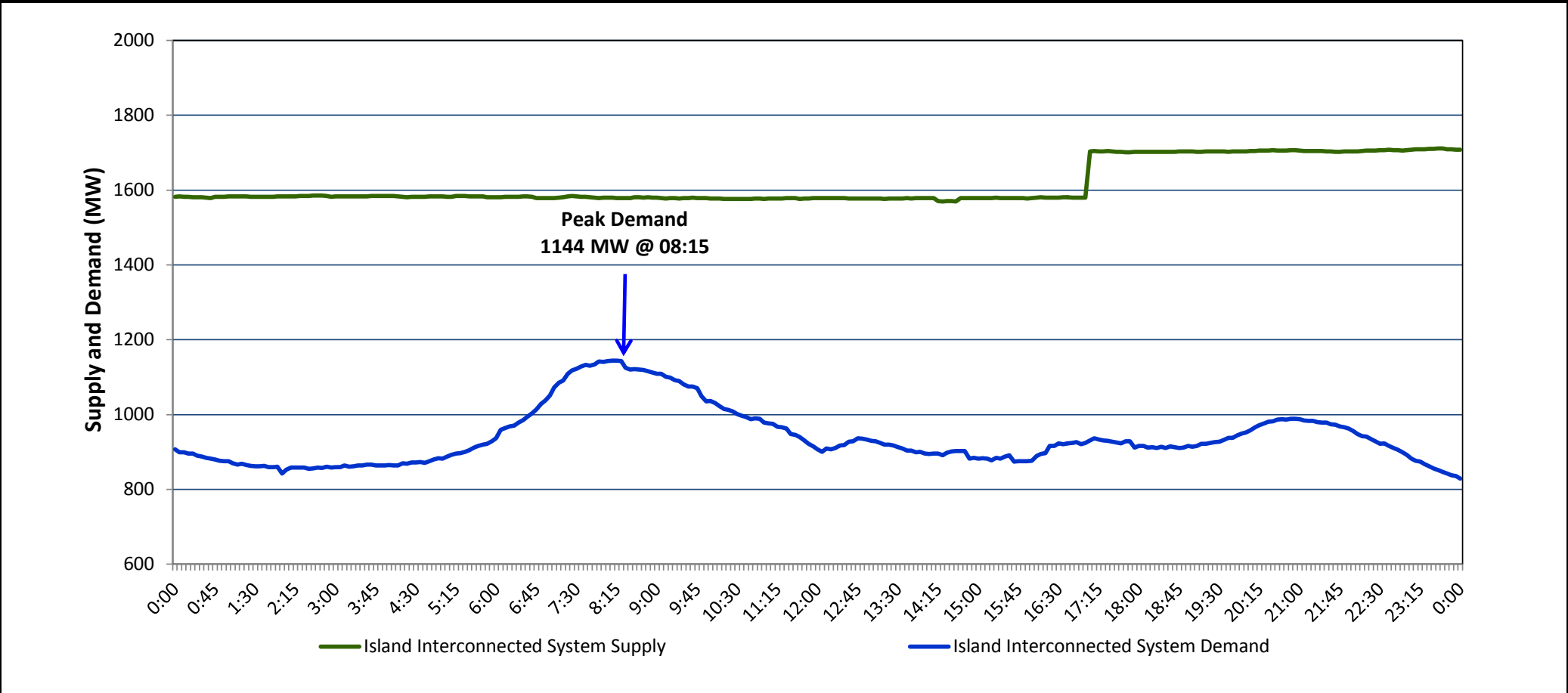
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Thursday, April 14, 2016

Section 1

Island Interconnected System Supply and Demand

Actual 24 Hour System Performance For Wednesday, April 13, 2016



Supply Notes For April 13, 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	At 1413 hours, April 13, 2016, Paradise River Unit unavailable (8 MW).	
J	At 1437 hours, April 13, 2016, Paradise River Unit available (8 MW).	
K	At 1703 hours, April 13, 2016, Holyrood Combustion Turbine available (123.5 MW).	

Section 2

Island Interconnected Supply and Demand

Thu, Apr 14, 2016 Island System Outlook ³		Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
			Morning	Evening	
Available Island System Supply: ⁵	1,655 MW	Thursday, April 14, 2016	6	4	1,100
NLH Generation: ⁴	1,335 MW	Friday, April 15, 2016	3	0	1,135
NLH Power Purchases: ⁶	115 MW	Saturday, April 16, 2016	1	-1	1,120
Other Island Generation:	205 MW	Sunday, April 17, 2016	-1	4	1,120
Current St. John's Temperature:	4 °C	Monday, April 18, 2016	2	-1	1,140
Current St. John's Windchill:	N/A °C	Tuesday, April 19, 2016	1	1	1,160
7-Day Island Peak Demand Forecast:	1,160 MW	Wednesday, April 20, 2016	6	8	1,140

Supply Notes For April 14, 2016		3
L	At 0701 hours, April 14, 2016, Cat Arm Unit 1 unavailable (67 MW).	

Notes:

- 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.
- 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.
- As of 0800 Hours.
- Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
- Gross output from all Island sources (including Note 4).
- 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

Wed, Apr 13, 2016	Actual Island Peak Demand ⁸	08:15	1,144 MW
Thu, Apr 14, 2016	Forecast Island Peak Demand		1,100 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).