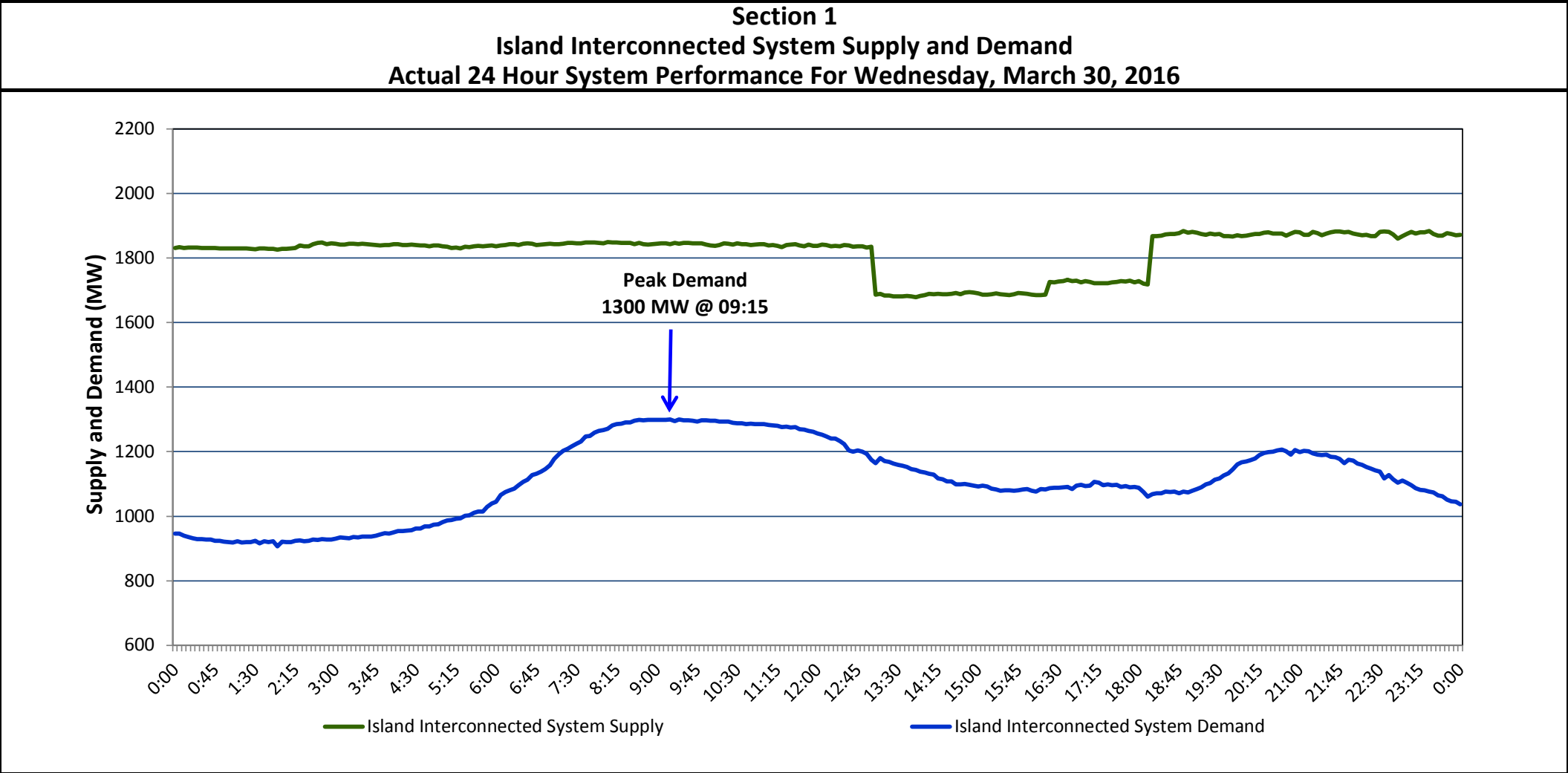


Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Thursday, March 31, 2016



Supply Notes For March 30, 2016

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 0710 hours, February 08, 2016, Holyrood Unit 2 derated to 120 MW (170 MW).

C

As of 2010 hours, February 26, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).

D

As of 0732 hours, February 29, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 19 MW, End B 25 MW.

E

As of 1100 hours, March 16, 2016, St. Anthony Diesel Unit 546 unavailable (2 MW).

F

As of 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).

G

At 1255 hours, March 30, 2016, Bay d'Espoir Unit 1 unavailable (76.5 MW).

H

At 1255 hours, March 30, 2016, Bay d'Espoir Unit 2 unavailable (76.5 MW).

I

At 1616 hours, March 30, 2016, Granite Canal Unit available (40 MW).

J

At 1802 hours, March 30, 2016, Paradise River Unit unavailable (8 MW).

K

At 1807 hours, March 30, 2016, Bay d'Espoir Unit 1 available (76.5 MW).

L

At 1807 hours, March 30, 2016, Bay d'Espoir Unit 2 available (76.5 MW).

M

At 1826 hours, March 30, 2016, Paradise River Unit available (8 MW).

Section 2  
Island Interconnected Supply and Demand

Thu, Mar 31, 2016			Island System Outlook <sup>3</sup>		Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)	
							Morning	Evening	Forecast	Adjusted <sup>6</sup>
Available Island System Supply: <sup>5</sup>			1,805	MW	Thursday, March 31, 2016		-1	2	1,290	1,275
NLH Generation: <sup>4</sup>			1,475	MW	Friday, April 01, 2016		1	7	1,235	1,235
NLH Power Purchases: <sup>7</sup>			130	MW	Saturday, April 02, 2016		8	5	960	960
Other Island Generation:			200	MW	Sunday, April 03, 2016		9	3	1,080	1,080
Current St. John's Temperature:			-1	°C	Monday, April 04, 2016		-1	-4	1,380	1,380
Current St. John's Windchill:			-7	°C	Tuesday, April 05, 2016		-2	3	1,375	1,375
7-Day Island Peak Demand Forecast:			1,380	MW	Wednesday, April 06, 2016		4	8	1,180	1,180

Supply Notes For March 31, 2016

N

At 0600 hours, March 31, 2016, Bay d'Espoir Unit 3 unavailable (76.5 MW).

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.

Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.

7.

NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance, and Wind Generation.

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

Wed, Mar 30, 2016	Actual Island Peak Demand <sup>8</sup>	09:15	1,300 MW
Thu, Mar 31, 2016	Forecast Island Peak Demand		1,290 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).