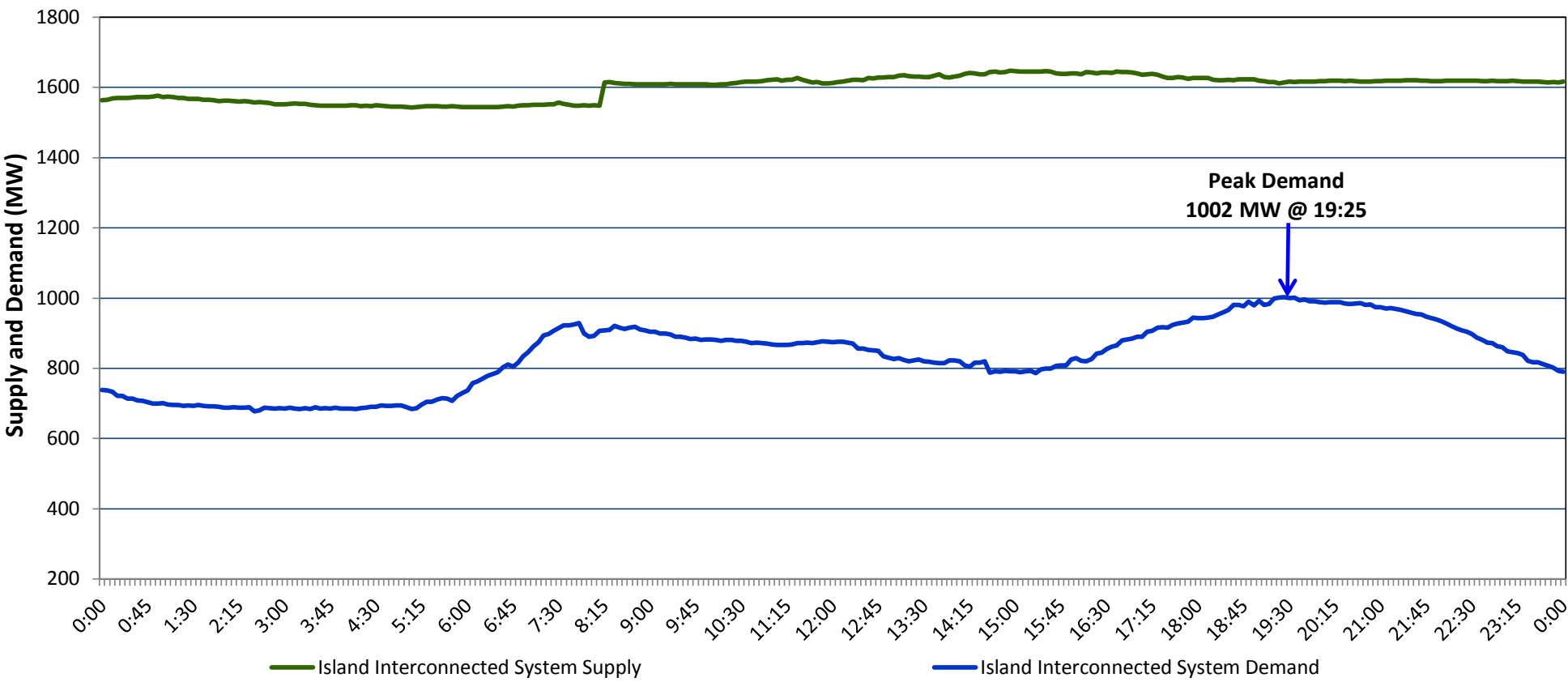


Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, October 26, 2016

Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Tuesday, October 25, 2016



Supply Notes For October 25, 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 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 1341 hours, August 27, 2016, Holyrood Unit 1 unavailable. Previously derated to 120 MW (170 MW).
- E

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.
- F

As of 0717 hours, September 14, 2016, Bay d'Espoir Unit 1 unavailable (76.5 MW).
- G

As of 0717 hours, September 14, 2016, Bay d'Espoir Unit 2 unavailable (76.5 MW).
- H

As of 1956 hours, September 30, 2016, Paradise River Unit unavailable (8 MW).
- I

As of 2132 hours, October 10, 2016, Nalcor Exploits Bishop's Falls plant units 1,2,3,4,5,6 and 8 unavailable. Net impact to the Island Interconnected System is 15 MW.
- J

As of 1706 hours, October 22, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW).
- K

At 0815 hours, October 25, 2016, Cat Arm Unit 1 available (67 MW).

Section 2  
Island Interconnected Supply and Demand

Wed, Oct 26, 2016	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
			Morning	Evening	Forecast
Available Island System Supply: <sup>5</sup>	1,580 MW	Wednesday, October 26, 2016	5	6	1,075
	NLH Generation: <sup>4</sup> 1,325 MW	Thursday, October 27, 2016	5	3	1,130
	NLH Power Purchases: <sup>6</sup> 90 MW	Friday, October 28, 2016	2	1	1,125
	Other Island Generation: 165 MW	Saturday, October 29, 2016	4	7	1,065
Current St. John's Temperature:	3 °C	Sunday, October 30, 2016	10	9	940
Current St. John's Windchill:	N/A °C	Monday, October 31, 2016	7	5	1,045
7-Day Island Peak Demand Forecast:	1,130 MW	Tuesday, November 01, 2016	5	2	1,060

Supply Notes For October 26, 2016

- 3
- 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

Tue, Oct 25, 2016	Actual Island Peak Demand <sup>8</sup>	19:25	1,002 MW
Wed, Oct 26, 2016	Forecast Island Peak Demand		1,075 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).