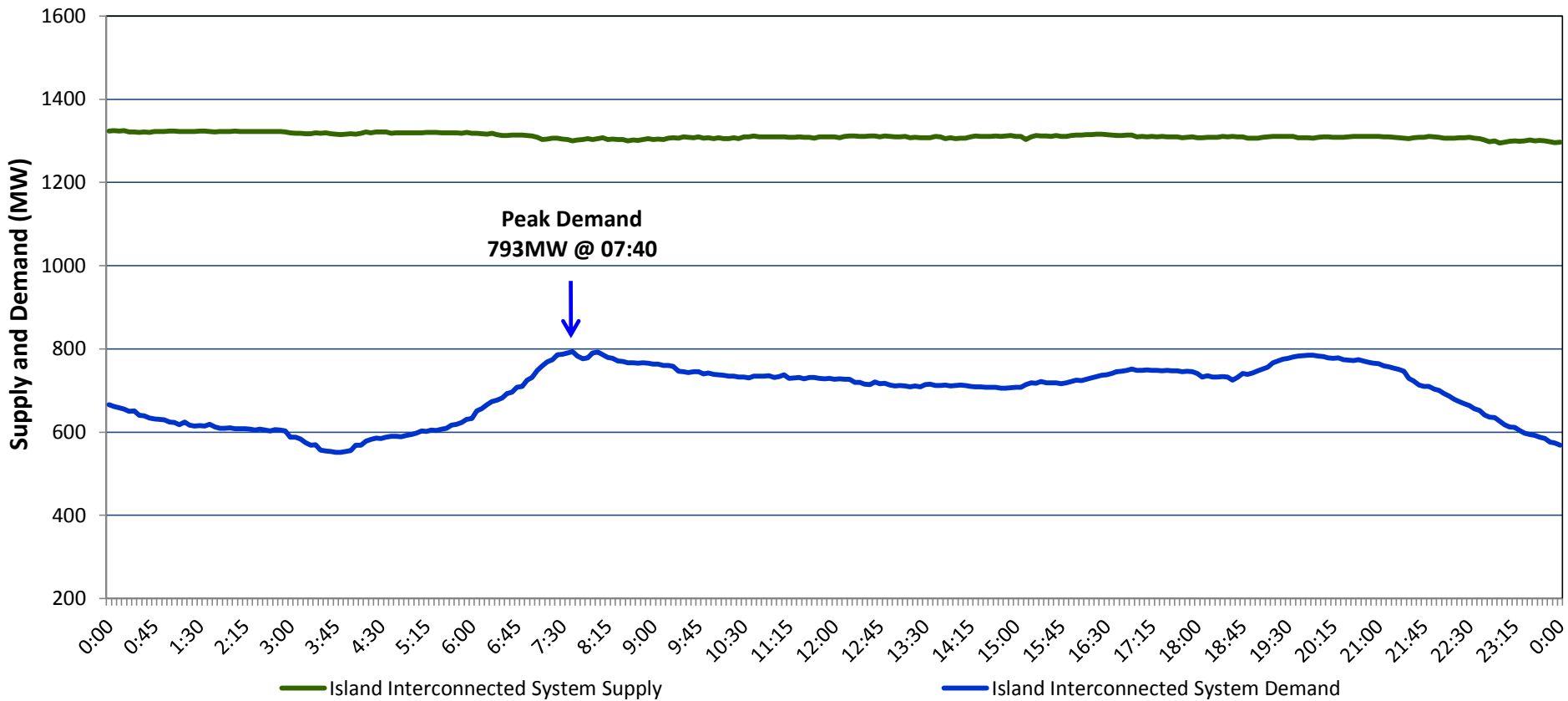


Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Tuesday, September 29, 2015

Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Monday, September 28, 2015



Supply Notes For September 28, 2015

- 1,2
- A

As of 1440 hours, June 06, 2015, Holyrood Unit 2 removed from service for annual maintenance (170 MW).
- B

As of 1450 hours, June 24, 2015, Hawke's Bay Unit 548 (G2) unavailable (2.5 MW).
- C

As of 0949 hours, August 01, 2015, Holyrood Unit 1 removed from service for annual maintenance (170 MW).
- D

As of 1330 hours, August 19, 2015, Bay d'Espoir Unit 2 unavailable (76.5 MW).
- E

As of 1042 hours, August 31, 2015, Stephenville Gas Turbine unavailable. Previously derated to 30 MW (50 MW).
- F

As of 0904 hours, September 12, 2015, Holyrood Unit 3 available. Derated to 70 MW (150 MW).
- G

As of 0803 hours, September 20, 2015, Bay d'Espoir Unit 1 unavailable. Previously derated to 40 MW (76.5 MW).
- H

As of 0932 hours, September 27, 2015, Hardwoods Gas Turbine available. Derated to 38 MW (50 MW). End A 20 MW, End B 19 MW.
- I

As of 1605 hours, September 27, 2015, Bay d'Espoir Unit 4 unavailable (76.5 MW).

Section 2  
Island Interconnected Supply and Demand

Tue, Sep 29, 2015      Island System Outlook <sup>3</sup>			Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
					Morning	Evening	
Available Island System Supply: <sup>5</sup>	1,270	MW	Tuesday, September 29, 2015		14	19	769
NLH Generation: <sup>4</sup>	980	MW	Wednesday, September 30, 2015		17	20	737
NLH Power Purchases:	85	MW	Thursday, October 01, 2015		18	15	849
Other Island Generation:	205	MW	Friday, October 02, 2015		13	9	878
Current St. John's Temperature:	13	°C	Saturday, October 03, 2015		7	8	842
Current St. John's Windchill:	N/A	°C	Sunday, October 04, 2015		8	8	894
7-Day Island Peak Demand Forecast:	894	MW	Monday, October 05, 2015		7	8	891

Supply Notes For September 29, 2015

- 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 underfrequency load shedding, is necessary to ensure the integrity and reliability of system equipment. Underfrequency 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).

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

Mon, Sep 28, 2015	Actual Island Peak Demand <sup>7</sup>	07:40	793 MW
Tue, Sep 29, 2015	Forecast Island Peak Demand		769 MW

Notes:

7. 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).