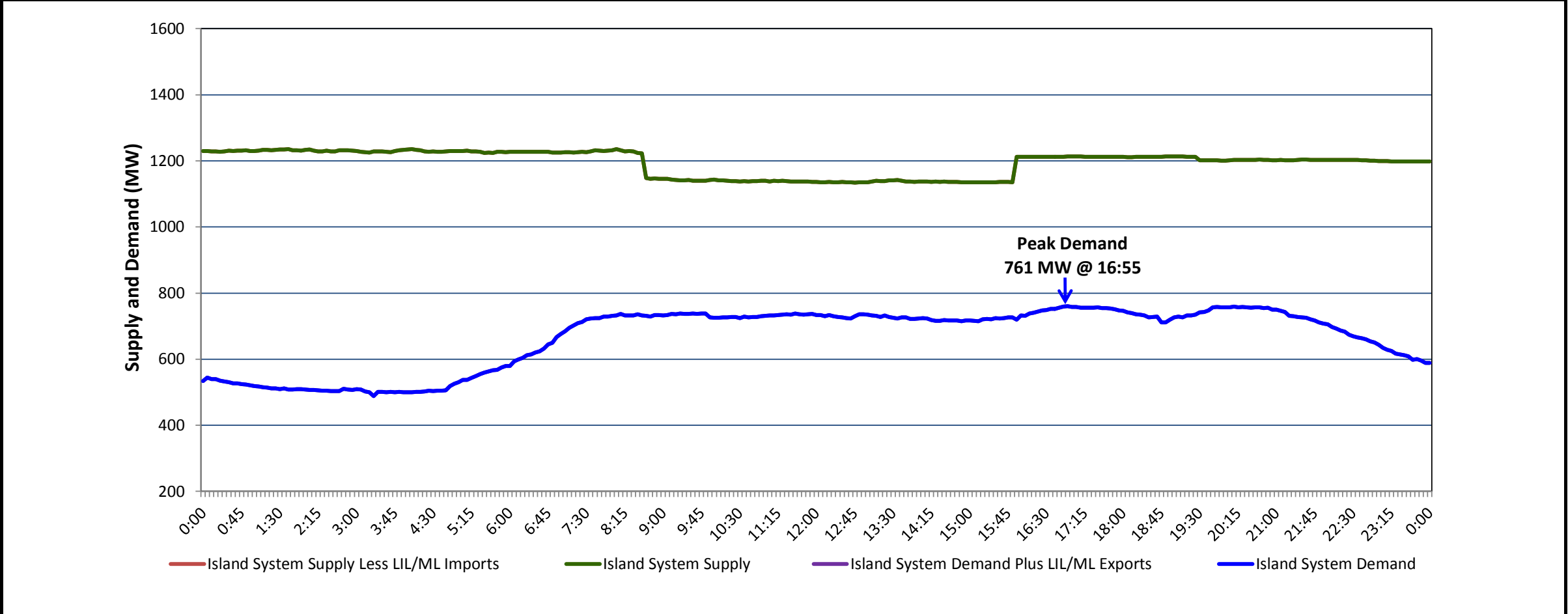


Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Friday, September 14, 2018

Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Thursday, September 13, 2018



**Supply Notes For September 13, 2018** <sup>1,2</sup>

A As of 1438 hours, May 22, 2018, Holyrood Unit 2 unavailable due to planned outage 70 MW (170 MW).  
B As of 0801 hours, July 19, 2018, Holyrood Unit 3 removed from service for economic dispatch 110 MW (150 MW).  
C As of 1000 hours, July 27, 2018, Holyrood Unit 1 unavailable due to planned outage 88 MW (170 MW).  
D As of 0823 hours, August 06, 2018, Cat Arm unit 1 unavailable due to planned outage 50 MW (67 MW).  
E As of 1000 hours, August 06, 2018, Cat Arm unit 2 unavailable due to planned outage (67 MW).  
F As of 1609 hours, August 07, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).  
G As of 1118 hours, August 21, 2018, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).  
H At 0838 hours, September 13, 2018, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).  
I At 0904 hours, September 13, 2018, Granite Canal Unit available at full capacity (40 MW).  
J At 1555 hours, September 13, 2018, Bay d'Espoir Unit 5 available (76.5 MW).

Section 2  
Island Interconnected Supply and Demand

Fri, Sep 14, 2018	Island System Outlook <sup>3</sup>			Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
					Morning	Evening	Forecast	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>	1,180	MW		Friday, September 14, 2018	11	10	795	795
NLH Island Generation: <sup>4</sup>	920	MW		Saturday, September 15, 2018	14	18	790	790
NLH Island Power Purchases: <sup>6</sup>	100	MW		Sunday, September 16, 2018	14	10	810	810
Other Island Generation:	160	MW		Monday, September 17, 2018	11	7	925	925
ML/LIL Imports:	-	MW		Tuesday, September 18, 2018	7	7	1,050	1,050
Current St. John's Temperature & Windchill: 10 °C	N/A	°C		Wednesday, September 19, 2018	16	17	845	845
7-Day Island Peak Demand Forecast:	1,050	MW		Thursday, September 20, 2018	12	7	1,005	1,005

**Supply Notes For September 14, 2018** <sup>3</sup>

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 System having no synchronous connections to 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 Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation, Vale capacity assistance (when applicable).
- Adjusted for CBPP, Vale and Praxair interruptible load, Maritime Link and Labrador-Island Link exports and the impact of voltage reduction, when applicable.

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

Thu, Sep 13, 2018	Actual Island Peak Demand <sup>8</sup>	16:55	761 MW
Fri, Sep 14, 2018	Forecast Island Peak Demand		795 MW

Notes: 8. Island Demand / LIL / ML Exports (where applicable) is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).