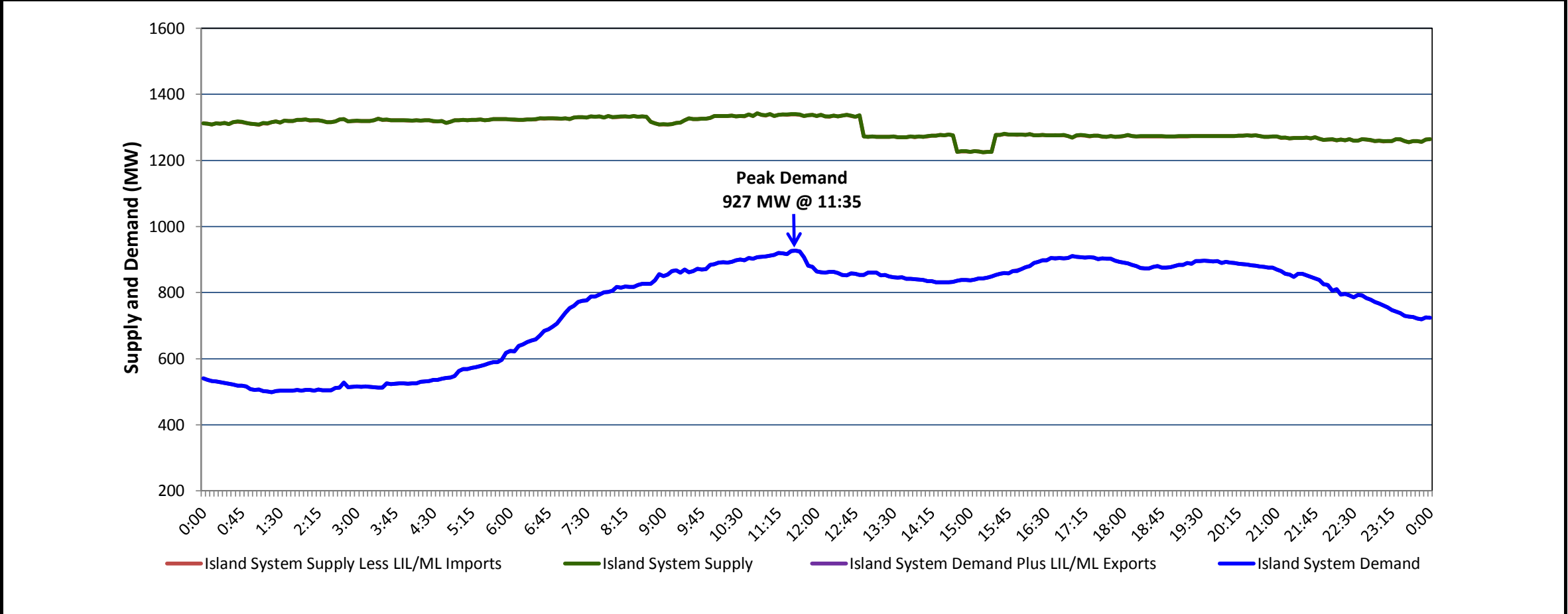


Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, September 19, 2018

Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Tuesday, September 18, 2018



Supply Notes For September 18, 20181,2

A

As of 0801 hours, July 19, 2018, Holyrood Unit 3 removed from service for economic dispatch 110 MW (150 MW).

B

As of 1000 hours, July 27, 2018, Holyrood Unit 1 unavailable due to planned outage 88 MW (170 MW).

C

As of 1609 hours, August 07, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).

D

As of 1118 hours, August 21, 2018, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).

E

As of 1034 hours, September 17, 2018, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).

F

At 1255 hours, September 18, 2018, Holyrood Unit 2 unavailable 70 MW (170 MW).

G

At 1445 hours, September 18, 2018, Hardwoods Gas Turbine unavailable (50 MW).

H

At 1526 hours, September 18, 2018, Hardwoods Gas Turbine available (50 MW).

Section 2  
Island Interconnected Supply and Demand

Wed, Sep 19, 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> NLH Island Generation: <sup>4</sup> NLH Island Power Purchases: <sup>6</sup> Other Island Generation: ML/LIL Imports:	1,306 MW 980 MW 120 MW 170 MW 36 MW	Wednesday, September 19, 2018	7	6	965	965
		Thursday, September 20, 2018	8	7	960	960
		Friday, September 21, 2018	7	5	945	945
		Saturday, September 22, 2018	9	13	905	905
		Sunday, September 23, 2018	10	10	835	835
		Monday, September 24, 2018	9	8	950	950
Current St. John's Temperature & Windchill:	6 °C N/A °C	Tuesday, September 25, 2018	6	6	970	970
7-Day Island Peak Demand Forecast:	970 MW					

Supply Notes For September 19, 20183

- 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 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.
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 Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation, Vale capacity assistance (when applicable).
7.

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

Tue, Sep 18, 2018	Actual Island Peak Demand <sup>8</sup>	11:35	927 MW
Wed, Sep 19, 2018	Forecast Island Peak Demand		965 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).