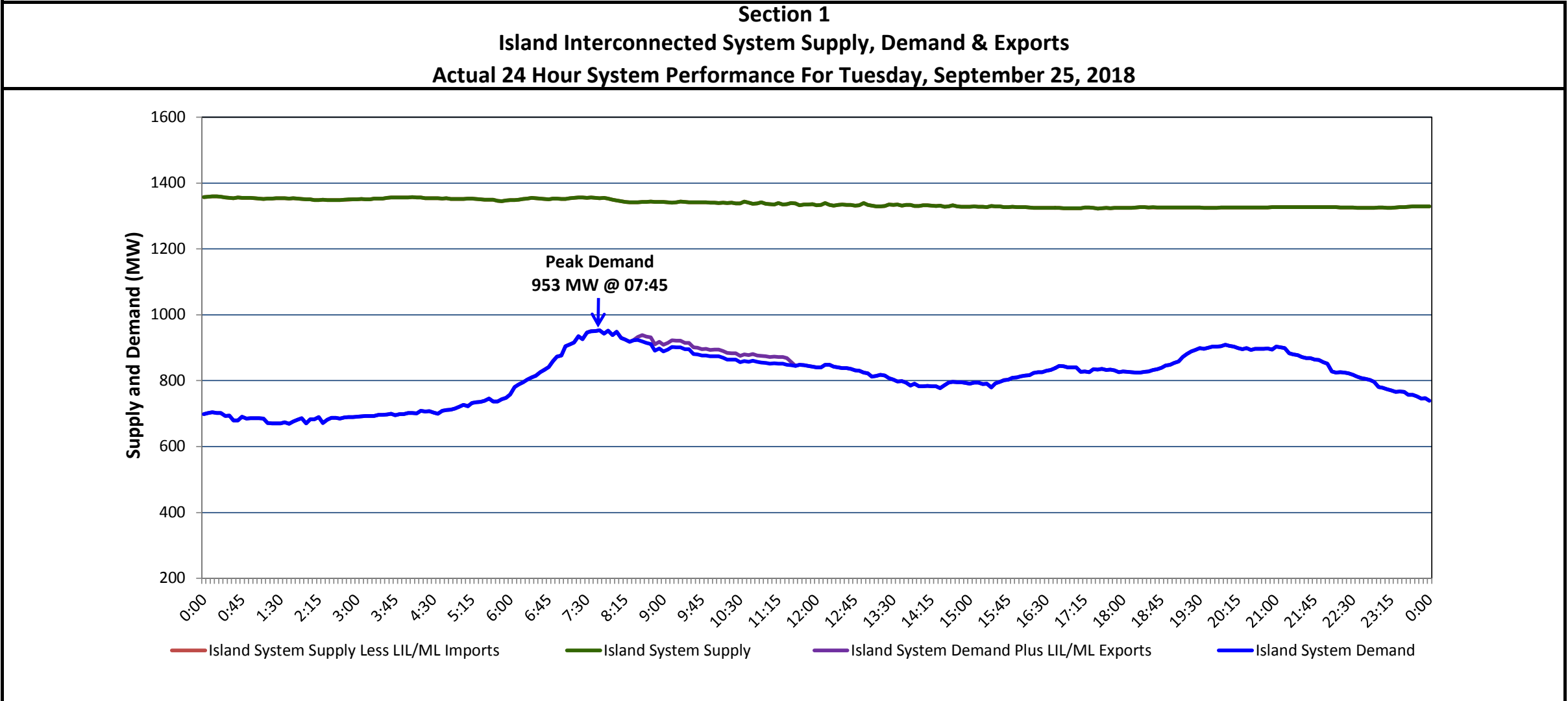


Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, September 26, 2018



Supply Notes For September 25, 20181,2

A

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

B

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

C

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

D

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

E

As of 2042 hours, September 21, 2018, Holyrood Unit 2 available at 140 MW (170 MW).

F

As of 2004 hours, September 22, 2018, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).

G

As of 0908 hours, September 24, 2018, Holyrood Unit 3 unavailable 110 MW (150 MW).

Section 2 Island Interconnected Supply and Demand								
Wed, Sep 26, 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>		1,150	MW	Wednesday, September 26, 2018	6	8	1,020	1,020
NLH Island Generation: <sup>4</sup>		900	MW	Thursday, September 27, 2018	14	15	875	875
NLH Island Power Purchases: <sup>6</sup>		95	MW	Friday, September 28, 2018	12	10	910	910
Other Island Generation:		155	MW	Saturday, September 29, 2018	14	14	810	810
ML/LIL Imports:		-	MW	Sunday, September 30, 2018	15	11	845	845
Current St. John's Temperature & Windchill:		4 °C	N/A °C	Monday, October 01, 2018	9	8	945	945
7-Day Island Peak Demand Forecast:		1,060	MW	Tuesday, October 02, 2018	5	5	1,060	1,060

Supply Notes For September 26, 20183

H

At 0723 hours, September 26, 2018, Holyrood Unit 2 unavailable 140 MW (170 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 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 25, 2018	Actual Island Peak Demand <sup>8</sup>	07:45	953 MW
Wed, Sep 26, 2018	Forecast Island Peak Demand		1,020 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).			