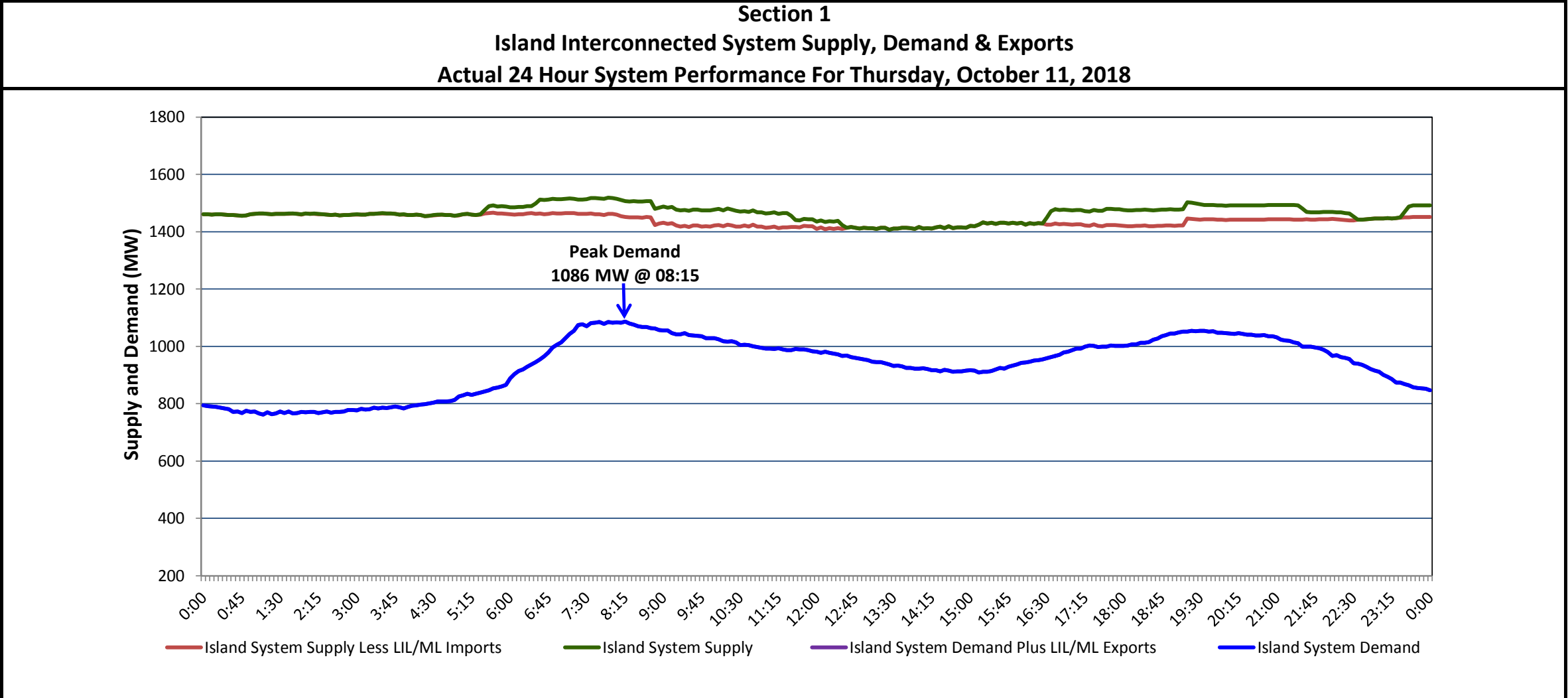


Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Friday, October 12, 2018



Supply Notes For October 11, 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 1623 hours, September 28, 2018, Holyrood Unit 3 unavailable due to planned outage 110 MW (150 MW).

C

As of 0757 hours, October 08, 2018, Bay d'Espoir Unit 7 unavailable due to planned outage (154.4 MW).

D

At 0849 hours, October 11, 2018, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).

E

At 0913 hours, October 11, 2018, Paradise River Unit unavailable due to planned outage (8 MW).

F

At 0937 hours, October 11, 2018, Hawkes Bay Diesel Plant available at 2.5 MW (5 MW).

G

At 1224 hours, October 11, 2018, Hawkes Bay Diesel Plant available at full capacity (5 MW).

H

At 1459 hours, October 11, 2018, Paradise River Unit available (8 MW).

I

At 1911 hours, October 11, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).

Section 2  
Island Interconnected Supply and Demand

Fri, Oct 12, 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: Current St. John's Temperature & Windchill: 1 °C 7-Day Island Peak Demand Forecast:	1,546 MW	Friday, October 12, 2018	2	6	1,130	1,130
	1,195 MW	Saturday, October 13, 2018	11	11	950	950
	80 MW	Sunday, October 14, 2018	7	7	1,020	1,020
	190 MW	Monday, October 15, 2018	6	6	1,035	1,035
	81 MW	Tuesday, October 16, 2018	8	11	1,025	1,025
	N/A °C	Wednesday, October 17, 2018	4	5	1,220	1,220
	1,220 MW	Thursday, October 18, 2018	10	3	1,140	1,140

Supply Notes For October 12, 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 and capacity assistance (when applicable).

7.

Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.

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

Thu, Oct 11, 2018	Actual Island Peak Demand <sup>8</sup>	08:15	1,086 MW
Fri, Oct 12, 2018	Forecast Island Peak Demand		1,130 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).