

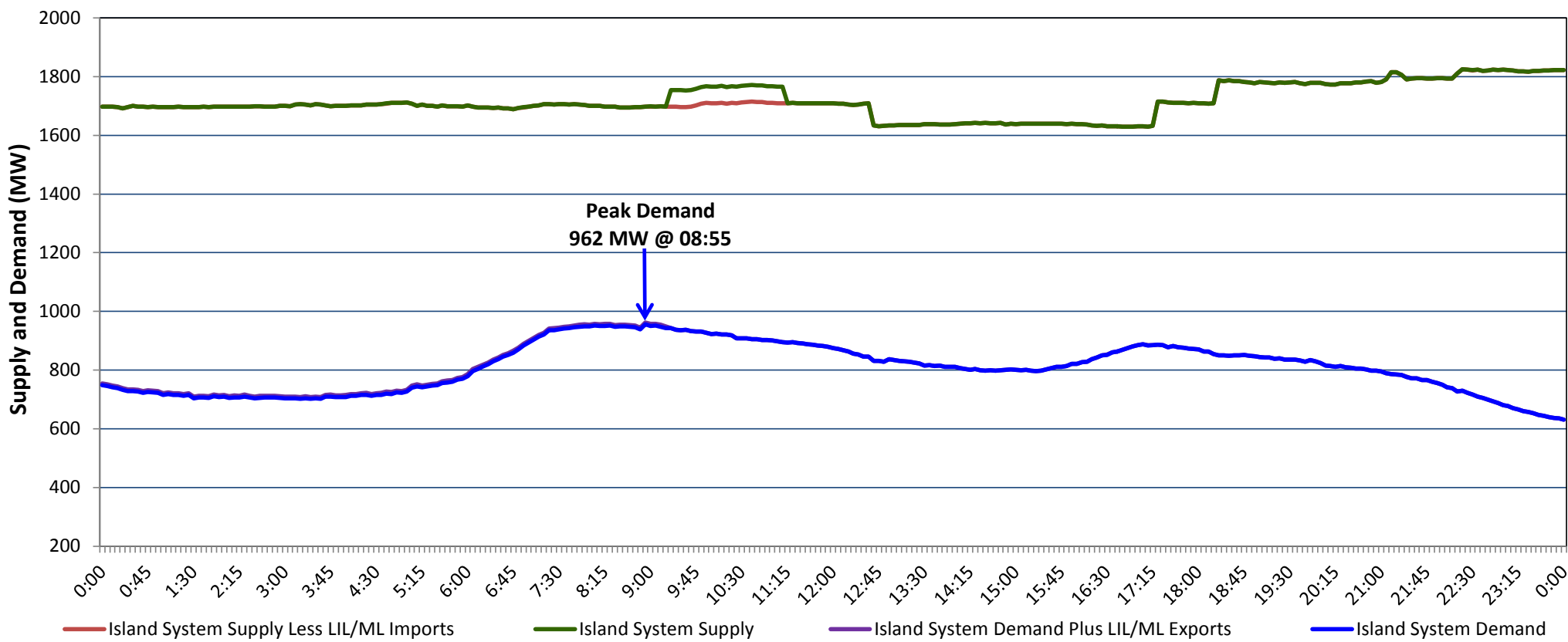
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Thursday, November 08, 2018

Section 1

Island Interconnected System Supply, Demand & Exports

Actual 24 Hour System Performance For Wednesday, November 07, 2018



Supply Notes For November 07, 2018

- 1,2
- A

As of 2017 hours, November 03, 2018, Holyrood Unit 1 unavailable due to planned outage 40 MW (170 MW).
- B

As of 1500 hours, November 06, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
- C

At 1240 hours, November 07, 2018, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).
- D

At 1718 hours, November 07, 2018, Upper Salmon Unit available (84 MW).
- E

At 1820 hours, November 07, 2018, Bay d'Espoir Unit 6 available (76.5 MW).

Section 2

Island Interconnected Supply and Demand

Thu, Nov 08, 2018	Island System Outlook ³			Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
					Morning	Evening		
Available Island System Supply: ⁵ NLH Island Generation: ⁴ NLH Island Power Purchases: ⁶ Other Island Generation: ML/LIL Imports:	1,735 1,420 120 195 -	MW MW MW MW MW	N/A	Thursday, November 08, 2018	7	6	1,090	997
				Friday, November 09, 2018	5	4	1,160	1,067
				Saturday, November 10, 2018	1	1	1,225	1,131
				Sunday, November 11, 2018	10	4	1,205	1,111
				Monday, November 12, 2018	3	2	1,320	1,225
				Tuesday, November 13, 2018	2	1	1,280	1,185
Current St. John's Temperature & Windchill:	8 °C		°C	Wednesday, November 14, 2018	2	6	1,240	1,146
7-Day Island Peak Demand Forecast:	1,320	MW						

Supply Notes For November 08, 2018

- 3
- F

At 0633 hours, November 08, 2018, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 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 there may be a requirement for some customer's load to 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 (UFLS), is necessary to ensure the integrity and reliability of system equipment. Under frequency events have typically occurred 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes. With the activation of the Maritime Link frequency controller during the winter of 2018, UFLS events have occurred less frequently.
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

Wed, Nov 07, 2018	Actual Island Peak Demand ⁸	08:55	962 MW
Thu, Nov 08, 2018	Forecast Island Peak Demand		1,090 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).