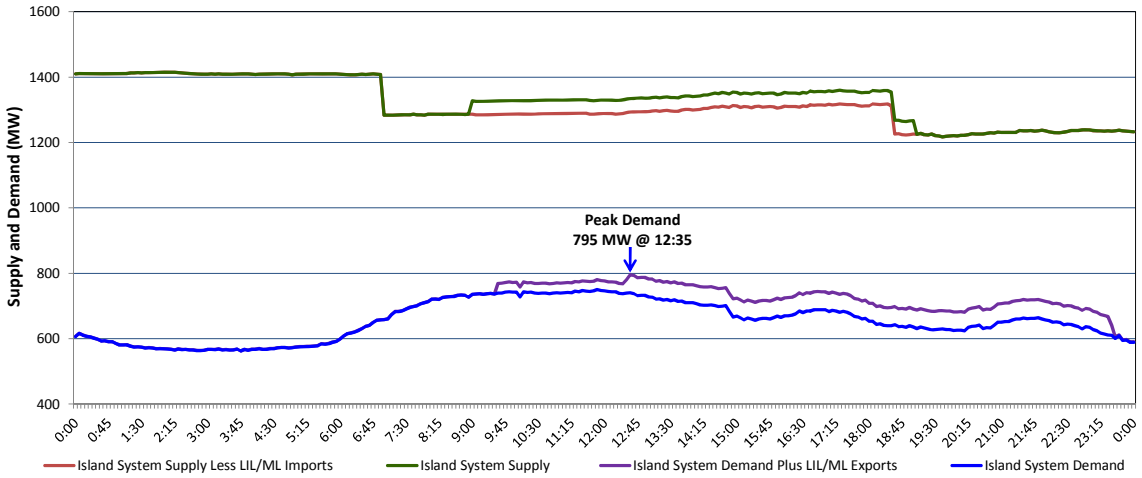
Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, July 04, 2018

Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Tuesday, July 03, 2018



Supply Notes For July 03, 2018 [1,2]

A	As of 0801 hours, April 02, 2018, Holyrood Unit 3 unavailable due to planned outage 110 MW (150 MW).
B	As of 1438 hours, May 22, 2018, Holyrood Unit 2 unavailable due to planned outage 70 MW (170 MW).
C	As of 1357 hours, June 01, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
D	As of 0855 hours, June 11, 2018, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
E	As of 0948 hours, June 27, 2018, Hinds Lake Unit unavailable due to planned outage (75 MW).
F	As of 0847 hours, June 30, 2018, Hardwoods Gas Turbine available 25 MW (50 MW).
G	At 0700 hours, July 03, 2018, Holyrood Combustion Turbine unavailable due to a planned outage (123.5 MW).
H	At 1500 hours, July 03, 2018, St. Anthony Diesel Plant available at 8MW (9.7 MW).
I	At 1830 hours, July 03, 2018, Holyrood Unit 1 removed from service for economic dispatch 88 MW (170 MW).

Section 2
Island Interconnected Supply and Demand

Wed, Jul 04, 2018	**Island System Outlook**[3]			**Seven-Day Forecast**	**Temperature (°C)**		**Island System Daily Peak Demand (MW)**	
					Morning	**Evening**	**Forecast**	**Adjusted**[7]
Available Island System Supply:[5]		**1,200**	**MW**	Wednesday, July 04, 2018	17	11	**790**	**790**
NLH Island Generation:[4]		875	MW	Thursday, July 05, 2018	13	11	795	795
NLH Island Power Purchases:[6]		130	MW	Friday, July 06, 2018	15	17	795	795
Other Island Generation:		195	MW	Saturday, July 07, 2018	16	14	765	765
ML/LIL Imports:		-	MW	Sunday, July 08, 2018	13	14	765	765
Current St. John's Temperature & Windchill:	17 °C	N/A	°C	Monday, July 09, 2018	15	13	830	830
7-Day Island Peak Demand Forecast:		**830**	MW	Tuesday, July 10, 2018	15	16	810	810

Supply Notes For July 04, 2018 [3]

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, Jul 03, 2018	Actual Island Peak Demand[8]	12:35	795 MW
Wed, Jul 04, 2018	Forecast Island Peak Demand		790 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).