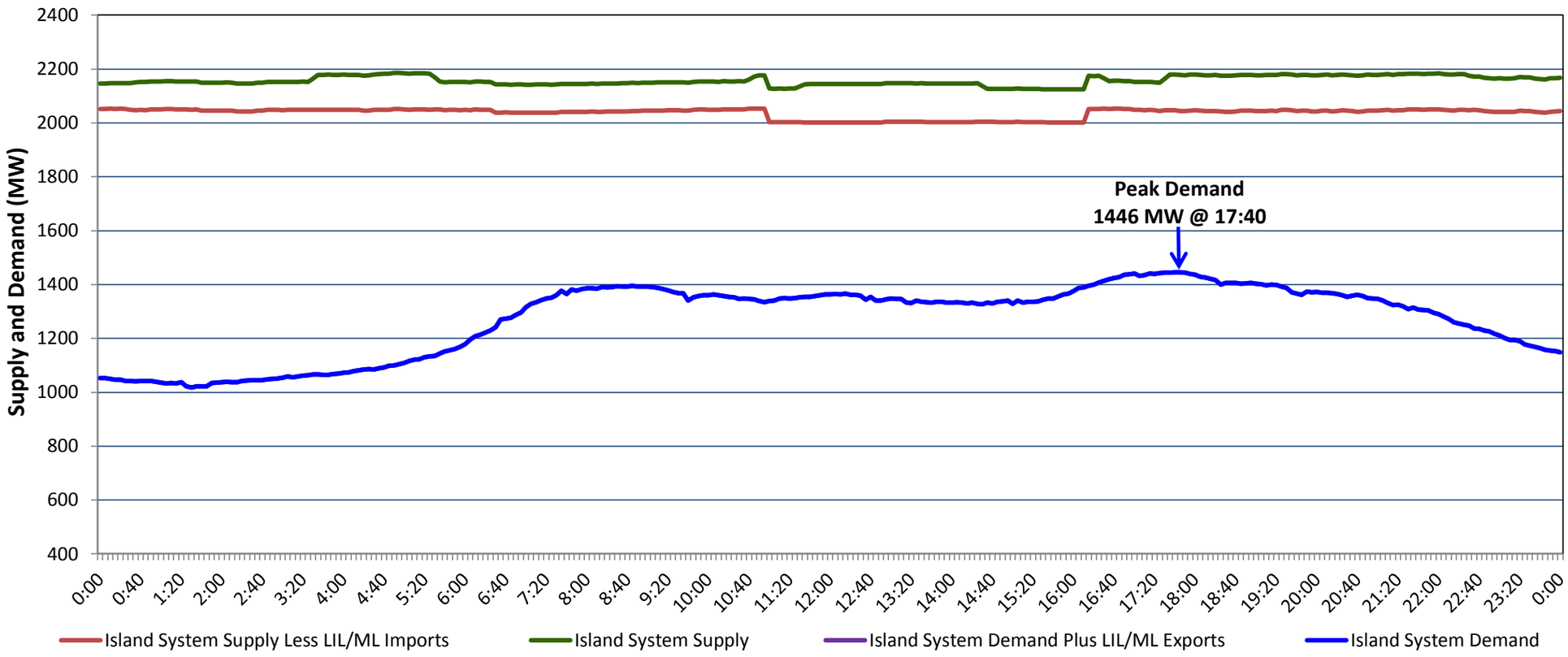
Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, February 04, 2020

Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Monday, February 03, 2020



Supply Notes For February 03, 2020 [1,2]

A	At 1100 hours, February 03, 2020, Stephenville Gas Turbine unavailable due to planned outage (50 MW).
B	At 1611 hours, February 03, 2020, Stephenville Gas Turbine available (50 MW).

Section 2
Island Interconnected Supply and Demand

Tue, Feb 04, 2020	Island System Outlook[3]		Seven-Day Forecast	Temperature (°C) Morning	Temperature (°C) Evening	Island System Daily Peak Demand (MW) Forecast	Island System Daily Peak Demand (MW) Adjusted[7]
Available Island System Supply:[5]	**2,039**	**MW**	Tuesday, February 04, 2020	-4	-3	**1,435**	**1,330**
NLH Island Generation:[4]	1,570	MW	Wednesday, February 05, 2020	-3	-3	1,400	1,296
NLH Island Power Purchases:[6]	150	MW	Thursday, February 06, 2020	-8	-5	1,550	1,444
Other Island Generation:	200	MW	Friday, February 07, 2020	-4	1	1,385	1,281
ML/LIL Imports:	119	MW	Saturday, February 08, 2020	4	-6	1,445	1,340
Current St. John's Temperature & Windchill: -4 °C	-12	°C	Sunday, February 09, 2020	-9	-7	1,445	1,340
7-Day Island Peak Demand Forecast:	**1,550**	MW	Monday, February 10, 2020	-4	-3	1,410	1,306

Supply Notes For February 04, 2020 [3]

C	At 0718 hours, February 04, 2020, Holyrood Gas Turbine unavailable due to planned outage (123.5 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

Mon, Feb 03, 2020	Actual Island Peak Demand[8]	17:40	1,446 MW
Tue, Feb 04, 2020	Forecast Island Peak Demand		1,435 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).