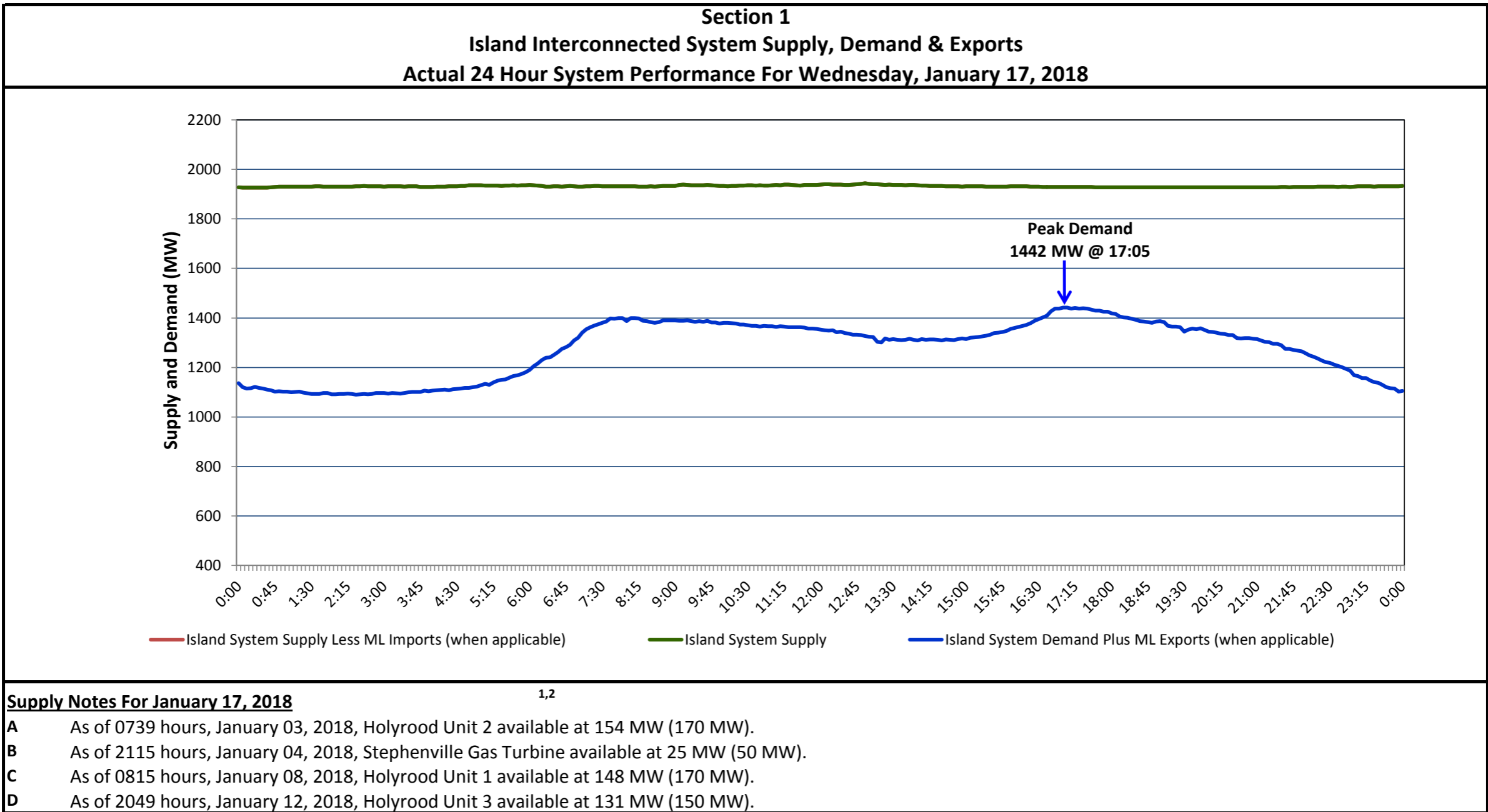


Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Thursday, January 18, 2018



Section 2

Island Interconnected Supply and Demand

Thu, Jan 18, 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>		1,935	MW	Thursday, January 18, 2018	-1	2	1,420	1,312
NLH Generation: <sup>4</sup>		1,610	MW	Friday, January 19, 2018	-5	-5	1,550	1,441
NLH Power Purchases: <sup>6</sup>		120	MW	Saturday, January 20, 2018	-9	-3	1,530	1,421
Maritime Link Imports:		-	MW	Sunday, January 21, 2018	-2	-6	1,575	1,466
Other Island Generation:		205	MW	Monday, January 22, 2018	-8	-3	1,595	1,475
Current St. John's Temperature & Windchill:		-2 °C	-11 °C	Tuesday, January 23, 2018	-6	-4	1,580	1,406
7-Day Island Peak Demand Forecast:		1,595	MW	Wednesday, January 24, 2018	6	0	1,385	1,278

Supply Notes For January 18, 2018

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 Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation, Vale capacity assistance (when applicable).

7.

Adjusted for CBP&P, Vale and Praxair interruptible load, Maritime 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

Wed, Jan 17, 2018	Actual Island Peak Demand <sup>9</sup>	17:05	1,442 MW
Thu, Jan 18, 2018	Forecast Island Peak Demand		1,420 MW

Notes:

9.

Island Demand / 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).