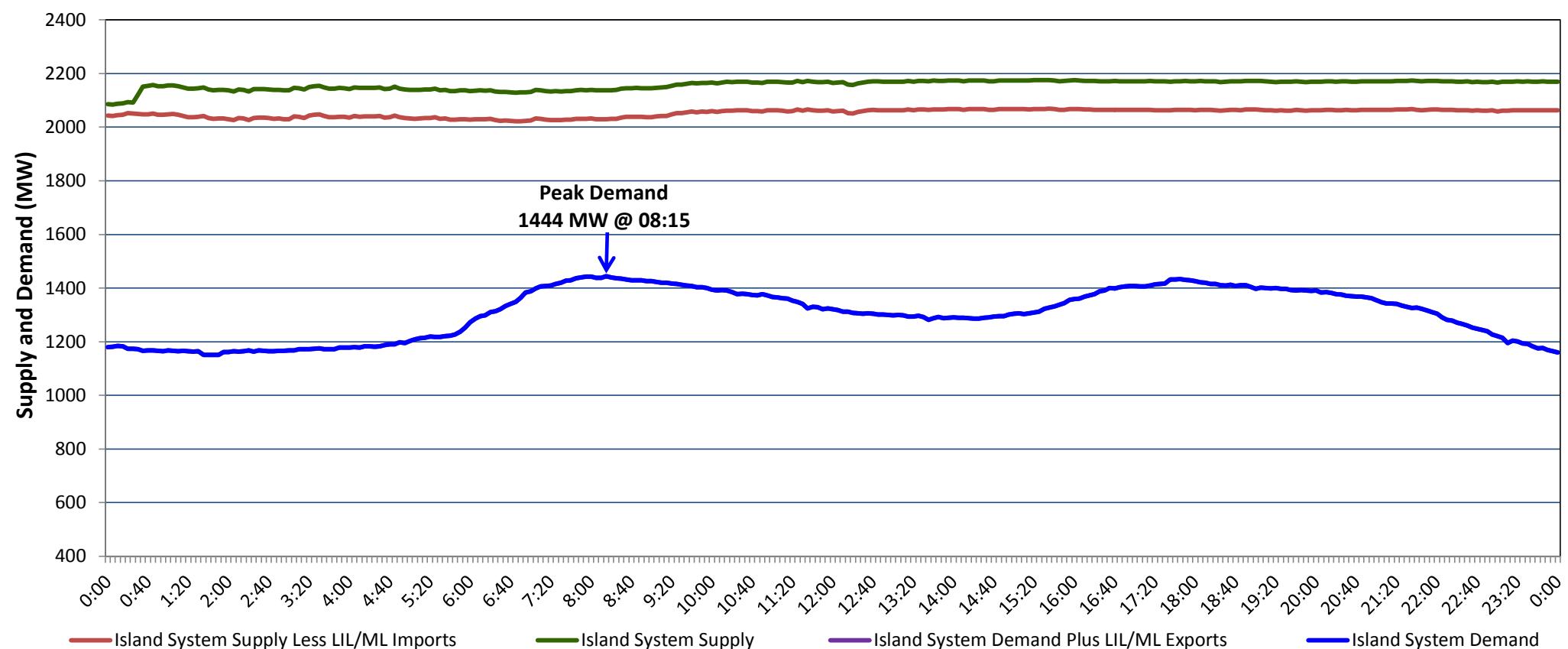


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Friday, February 15, 2019

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Thursday, February 14, 2019



#### Supply Notes For February 14, 2019

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A As of 0855 hours, February 11, 2019, Holyrood Unit 3 available at 140 MW (150 MW).

### Section 2 Island Interconnected Supply and Demand

Fri, Feb 15, 2019	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>	2,082	MW	Friday, February 15, 2019	-3	-7	1,440	1,337
NLH Island Generation: <sup>4</sup>	1,635	MW	Saturday, February 16, 2019	-4	0	1,390	1,288
NLH Island Power Purchases: <sup>6</sup>	150	MW	Sunday, February 17, 2019	3	-3	1,405	1,303
Other Island Generation:	190	MW	Monday, February 18, 2019	-6	-6	1,535	1,431
ML/LIL Imports:	107	MW	Tuesday, February 19, 2019	-6	-7	1,540	1,436
Current St. John's Temperature & Windchill:	-3 °C	-12 °C	Wednesday, February 20, 2019	-12	-13	1,705	1,599
7-Day Island Peak Demand Forecast:	1,725	MW	Thursday, February 21, 2019	-15	-11	1,725	1,619

#### Supply Notes For February 15, 2019

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B At 0700 hours, February 15, 2019, Hardwoods Gas Turbine unavailable due to planned outage (50 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

Thu, Feb 14, 2019	Actual Island Peak Demand <sup>8</sup>	08:15	1,444 MW
Fri, Feb 15, 2019	Forecast Island Peak Demand		1,440 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).