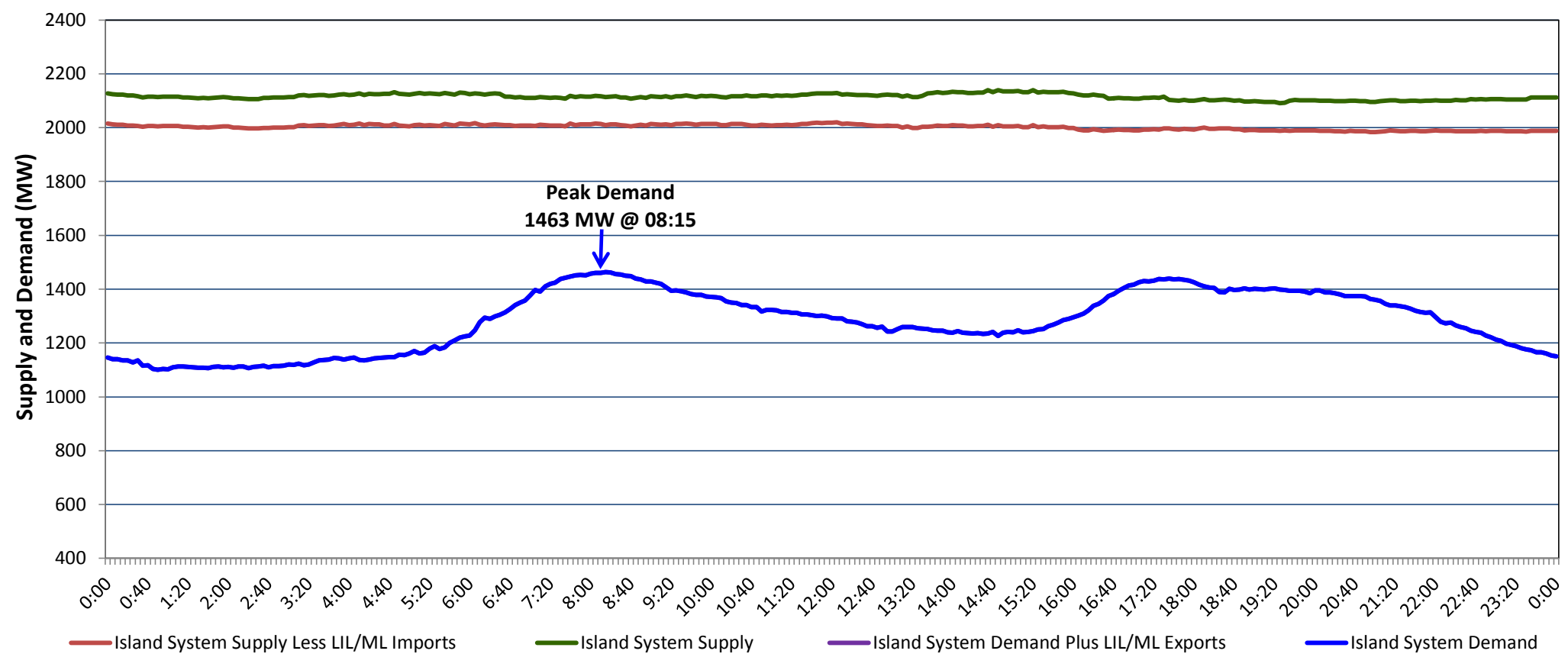


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, January 15, 2019

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



#### Supply Notes For January 14, 2019

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- A As of 0620 hours, January 10, 2019, Holyrood Unit 1 available at 162 MW (170 MW).  
B As of 0800 hours, January 13, 2019, Paradise River Unit unavailable (8 MW).

### Section 2 Island Interconnected Supply and Demand

Tue, Jan 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>	2,132 MW	Tuesday, January 15, 2019	-4	4	1,470	1,367
NLH Island Generation: <sup>4</sup>	1,675 MW	Wednesday, January 16, 2019	-3	-6	1,545	1,441
NLH Island Power Purchases: <sup>6</sup>	145 MW	Thursday, January 17, 2019	-1	-6	1,560	1,456
Other Island Generation:	200 MW	Friday, January 18, 2019	-9	-5	1,600	1,496
ML/LIL Imports:	112 MW	Saturday, January 19, 2019	-1	-1	1,410	1,308
Current St. John's Temperature & Windchill:	-3 °C	Sunday, January 20, 2019	-6	-5	1,510	1,407
7-Day Island Peak Demand Forecast:	1,600 MW	Monday, January 21, 2019	4	10	1,305	1,204

#### Supply Notes For January 15, 2019

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- 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, Jan 14, 2019	Actual Island Peak Demand <sup>8</sup>	08:15	1,463 MW
Tue, Jan 15, 2019	Forecast Island Peak Demand		1,470 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).