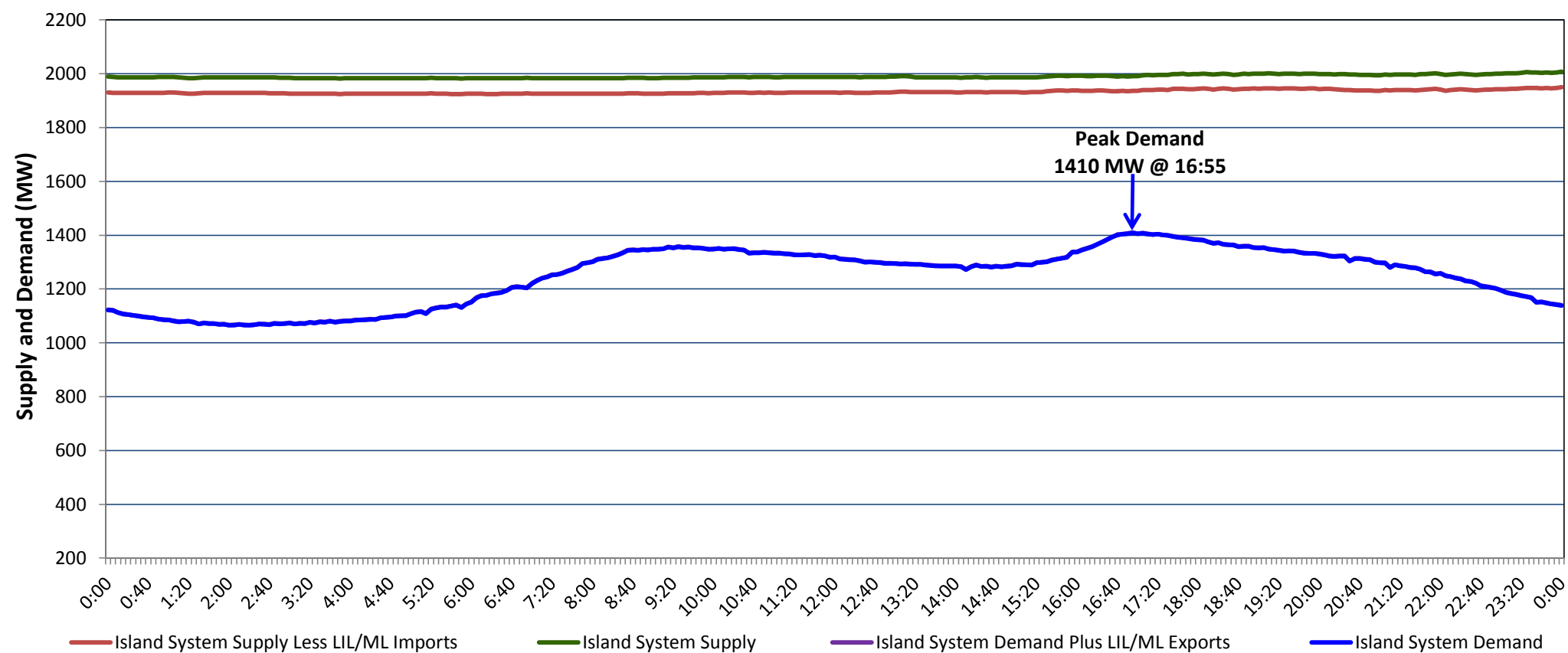


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, December 10, 2018

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Saturday, December 08, 2018



#### Supply Notes For December 08, 2018

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- A As of 1635 hours, November 28, 2018, Holyrood Unit 1 available at 160 MW (170 MW).  
B As of 0756 hours, November 30, 2018, Hardwoods Gas Turbine unavailable due to planned outage 25 MW (50 MW).

### Section 2 Island Interconnected Supply and Demand

Sun, Dec 09, 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>	2,015	MW	Sunday, December 09, 2018	-4	-3	1,430	1,327
NLH Island Generation: <sup>4</sup>	1,635	MW	Monday, December 10, 2018	-3	-4	1,465	1,362
NLH Island Power Purchases: <sup>6</sup>	140	MW	Tuesday, December 11, 2018	-5	-2	1,475	1,372
Other Island Generation:	185	MW	Wednesday, December 12, 2018	-4	-3	1,465	1,362
ML/LIL Imports:	55	MW	Thursday, December 13, 2018	-6	-6	1,535	1,431
Current St. John's Temperature & Windchill:	-7 °C	-15 °C	Friday, December 14, 2018	-4	-2	1,480	1,377
7-Day Island Peak Demand Forecast:	1,535	MW	Saturday, December 15, 2018	-1	1	1,305	1,204

#### Supply Notes For December 09, 2018

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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

Sat, Dec 08, 2018	Actual Island Peak Demand <sup>8</sup>	16:55	1,410 MW
Sun, Dec 09, 2018	Forecast Island Peak Demand		1,430 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).