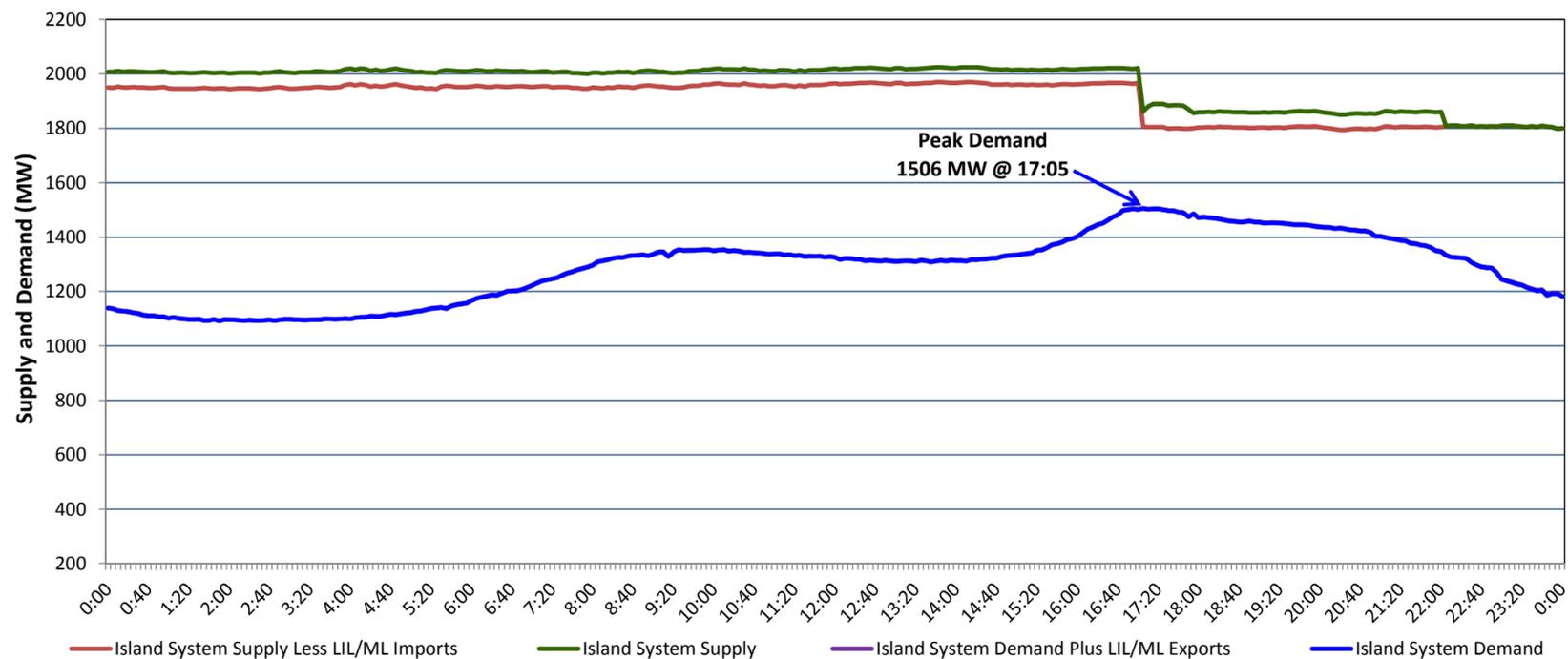


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, December 10, 2018

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Sunday, December 09, 2018



#### Supply Notes For December 09, 2018

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A As of 0756 hours, November 30, 2018, Hardwoods Gas Turbine unavailable due to planned outage 25 MW (50 MW).

B At 1703 hours, December 09, 2018, Holyrood Unit 1 unavailable 160 MW (170 MW).

### Section 2 Island Interconnected Supply and Demand

Mon, Dec 10, 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>	1,810	MW	Monday, December 10, 2018	-4	-4	1,435	1,332
NLH Island Generation: <sup>4</sup>	1,475	MW	Tuesday, December 11, 2018	-4	-2	1,460	1,357
NLH Island Power Purchases: <sup>6</sup>	150	MW	Wednesday, December 12, 2018	-2	-2	1,465	1,362
Other Island Generation:	185	MW	Thursday, December 13, 2018	-3	-6	1,515	1,411
ML/LIL Imports:	-	MW	Friday, December 14, 2018	-4	-1	1,440	1,337
Current St. John's Temperature & Windchill:	-4 °C	-12 °C	Saturday, December 15, 2018	-1	2	1,290	1,189
7-Day Island Peak Demand Forecast:	1,515	MW	Sunday, December 16, 2018	-1	-1	1,385	1,283

#### Supply Notes For December 10, 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

Sun, Dec 09, 2018	Actual Island Peak Demand <sup>8</sup>	17:05	1,506 MW
Mon, Dec 10, 2018	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).