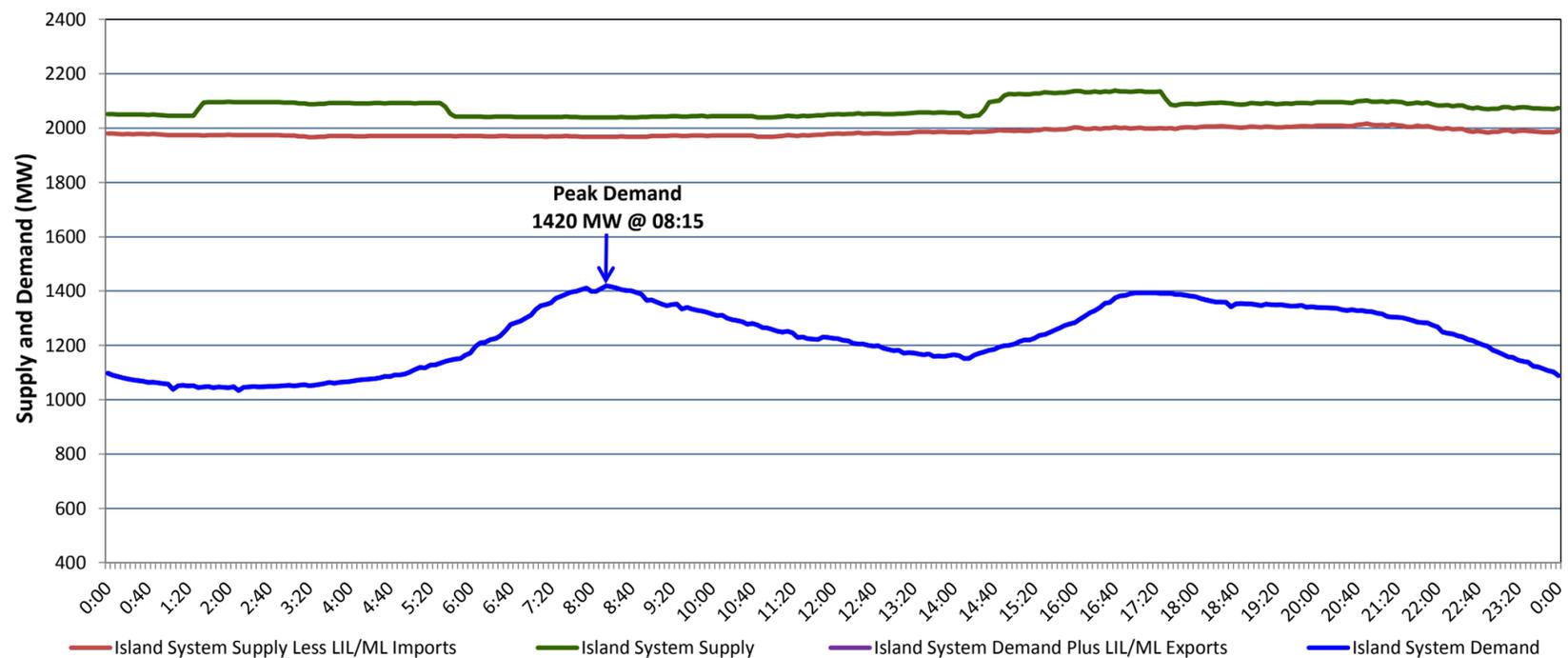


**Newfoundland Labrador Hydro (NLH)**  
**Supply and Demand Status Report Filed Tuesday, December 18, 2018**

**Section 1**  
**Island Interconnected System Supply, Demand & Exports**  
**Actual 24 Hour System Performance For Monday, December 17, 2018**



**Supply Notes For December 17, 2018**

1,2

A As of 1143 hours, December 14, 2018, Holyrood Unit 1 available at 160 MW (170 MW).

**Section 2**  
**Island Interconnected Supply and Demand**

Tue, Dec 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>	1,996 MW	Tuesday, December 18, 2018	3	3	1,425	1,323
NLH Island Generation: <sup>4</sup>	1,600 MW	Wednesday, December 19, 2018	1	-1	1,430	1,327
NLH Island Power Purchases: <sup>6</sup>	115 MW	Thursday, December 20, 2018	-3	-2	1,465	1,362
Other Island Generation:	195 MW	Friday, December 21, 2018	-2	-1	1,420	1,318
ML/LIL Imports:	86 MW	Saturday, December 22, 2018	-2	3	1,325	1,224
Current St. John's Temperature & Windchill: 1 °C	N/A °C	Sunday, December 23, 2018	4	2	1,305	1,204
7-Day Island Peak Demand Forecast:	1,475 MW	Monday, December 24, 2018	1	-1	1,475	1,372

**Supply Notes For December 18, 2018**

3

B At 0715 hours, December 18, 2018, Upper Salmon Unit unavailable due to planned outage (84 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**

Mon, Dec 17, 2018	Actual Island Peak Demand <sup>8</sup>	08:15	1,420 MW
Tue, Dec 18, 2018	Forecast Island Peak Demand		1,425 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).