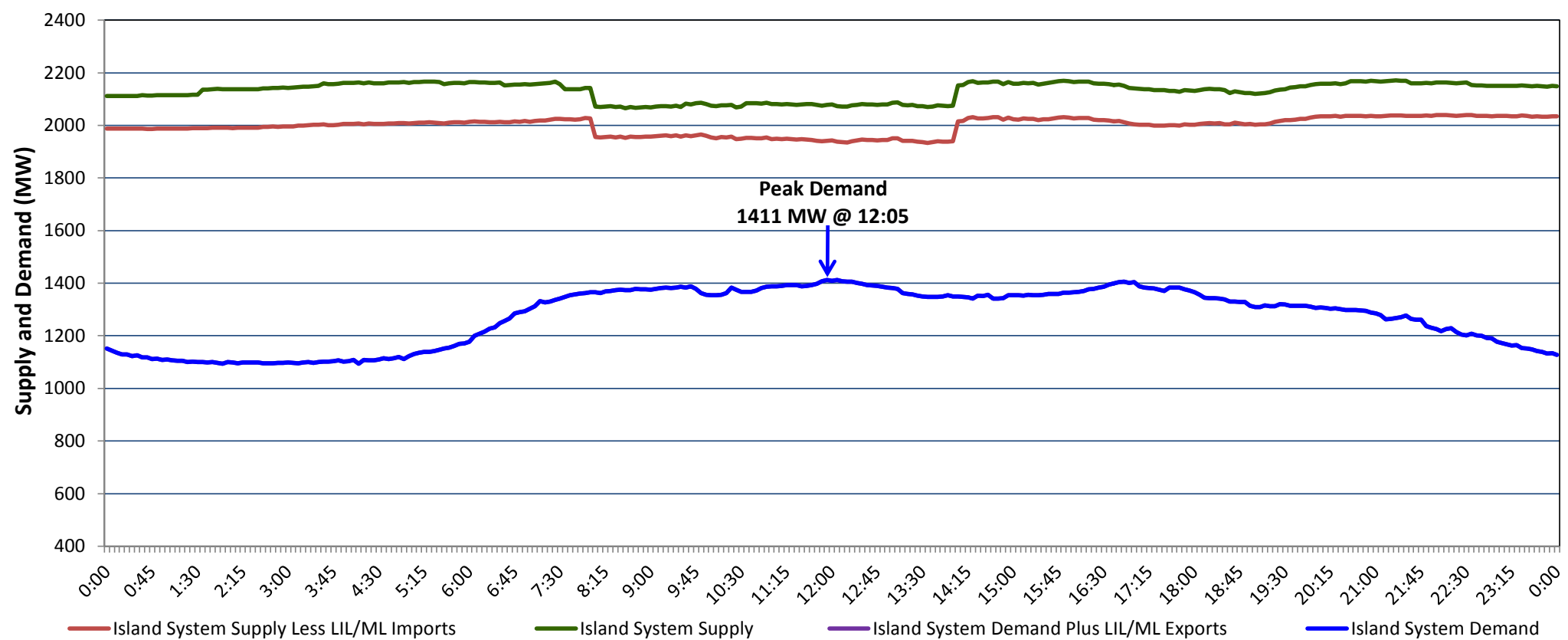


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, January 16, 2019**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Tuesday, January 15, 2019**



**Supply Notes For January 15, 2019**

- 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).
- C At 0804 hours, January 15, 2019, Hinds Lake Unit unavailable due to planned outage (75 MW).
- D At 1405 hours, January 15, 2019, Hinds Lake Unit available (75 MW).

**Section 2  
Island Interconnected Supply and Demand**

Wed, Jan 16, 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>	2,095	MW	Wednesday, January 16, 2019	-4	-6	1,510	1,407
NLH Island Generation: <sup>4</sup>	1,675	MW	Thursday, January 17, 2019	-2	-6	1,560	1,456
NLH Island Power Purchases: <sup>6</sup>	105	MW	Friday, January 18, 2019	-9	-7	1,620	1,515
Other Island Generation:	210	MW	Saturday, January 19, 2019	-2	0	1,450	1,347
ML/LIL Imports:	105	MW	Sunday, January 20, 2019	-11	-6	1,595	1,491
Current St. John's Temperature & Windchill:	-5 °C	-14 °C	Monday, January 21, 2019	0	5	1,490	1,387
7-Day Island Peak Demand Forecast:	1,710	MW	Tuesday, January 22, 2019	-10	-9	1,710	1,604

**Supply Notes For January 16, 2019**

- 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**

Tue, Jan 15, 2019	Actual Island Peak Demand <sup>8</sup>	12:05	1,411 MW
Wed, Jan 16, 2019	Forecast Island Peak Demand		1,510 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).