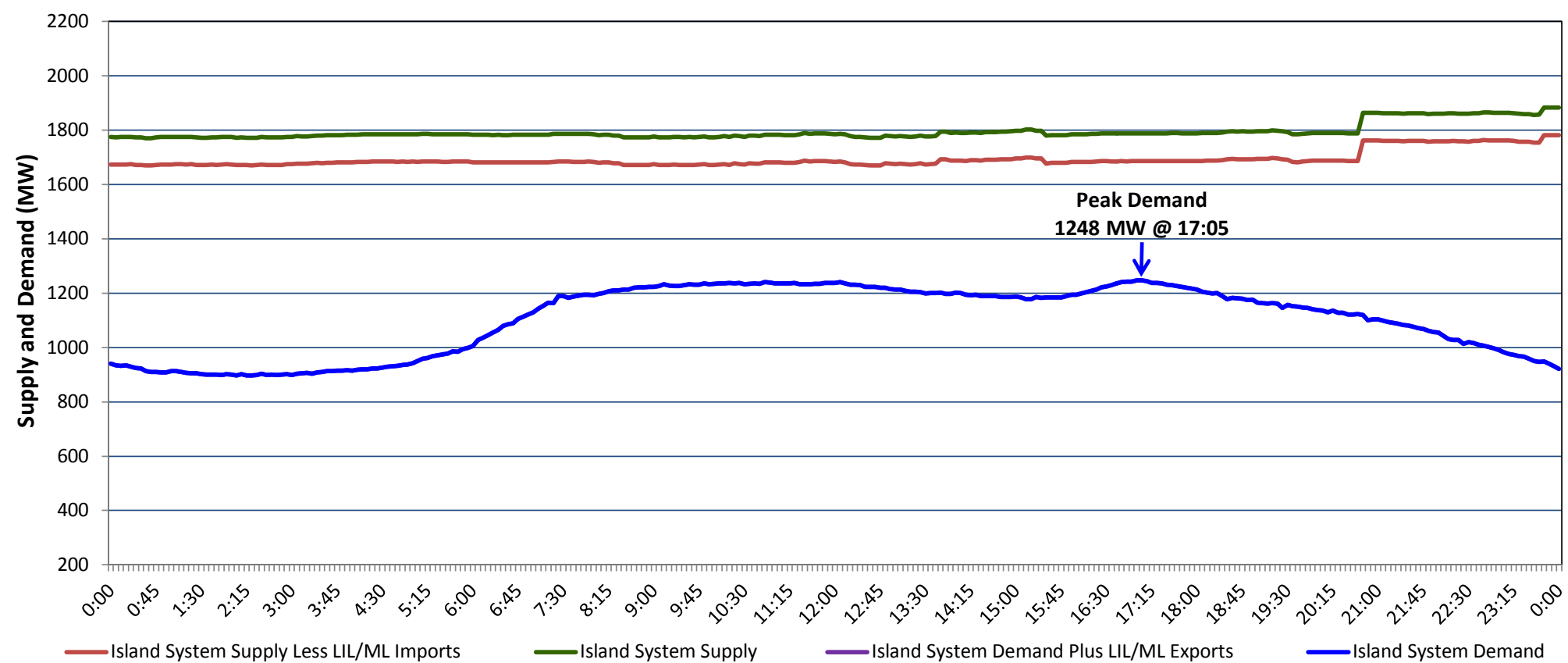


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, December 02, 2019**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Friday, November 29, 2019**



**Supply Notes For November 29, 2019**

- 1,2
- A As of 0800 hours, November 10, 2019, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).
  - B As of 0932 hours, November 23, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
  - C As of 1957 hours, November 23, 2019, Bay d'Espoir Unit 3 unavailable due to planned outage 70 MW (76.5 MW).
  - D As of 1600 hours, November 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
  - E At 1255 hours, November 29, 2019, Paradise River Unit available (8 MW).
  - F At 2045 hours, November 29, 2019, Bay d'Espoir Unit 5 available (76.5 MW).

**Section 2  
Island Interconnected Supply and Demand**

Sat, Nov 30, 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>	1,957 MW	Saturday, November 30, 2019	5	4	1,185	1,091
NLH Island Generation: <sup>4</sup>	1,545 MW	Sunday, December 01, 2019	0	-2	1,315	1,212
NLH Island Power Purchases: <sup>6</sup>	115 MW	Monday, December 02, 2019	-4	-1	1,395	1,291
Other Island Generation:	195 MW	Tuesday, December 03, 2019	0	6	1,290	1,187
ML/LIL Imports:	102 MW	Wednesday, December 04, 2019	4	2	1,275	1,172
Current St. John's Temperature & Windchill: 4 °C	N/A °C	Thursday, December 05, 2019	1	4	1,245	1,143
7-Day Island Peak Demand Forecast:	1,395 MW	Friday, December 06, 2019	2	0	1,280	1,177

**Supply Notes For November 30, 2019**

- 3
- G At 0758 hours, November 30, 2019, Bay d'Espoir Unit 3 available (76.5 MW).

- Notes:
- 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.
  - 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.
  - As of 0800 Hours.
  - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
  - Gross output from all Island sources (including Note 4).
  - NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
  - 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**

Fri, Nov 29, 2019	Actual Island Peak Demand <sup>8</sup>	17:05	1,248 MW
Sat, Nov 30, 2019	Forecast Island Peak Demand		1,185 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).