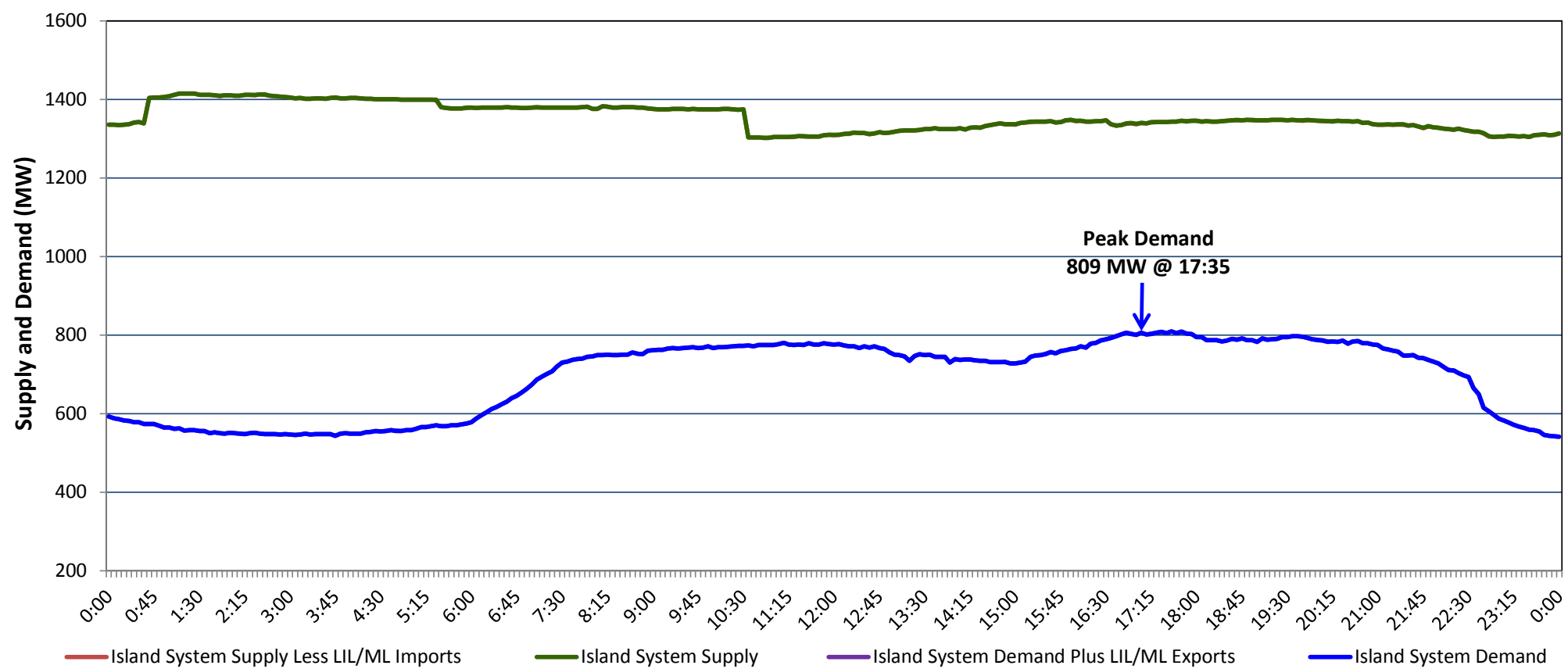


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Tuesday, September 18, 2018**

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



**Supply Notes For September 17, 2018**

- 1,2
- A As of 0801 hours, July 19, 2018, Holyrood Unit 3 removed from service for economic dispatch 110 MW (150 MW).
  - B As of 1000 hours, July 27, 2018, Holyrood Unit 1 unavailable due to planned outage 88 MW (170 MW).
  - C As of 1609 hours, August 07, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
  - D As of 1118 hours, August 21, 2018, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).
  - E At 0033 hours, September 17, 2018, Holyrood Unit 2 available at 70 MW (170 MW).
  - F At 1034 hours, September 17, 2018, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).

**Section 2  
Island Interconnected Supply and Demand**

Tue, Sep 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>	1,340 MW	Tuesday, September 18, 2018	7	6	930	930
NLH Island Generation: <sup>4</sup>	1,050 MW	Wednesday, September 19, 2018	6	7	970	970
NLH Island Power Purchases: <sup>6</sup>	120 MW	Thursday, September 20, 2018	8	8	955	955
Other Island Generation:	170 MW	Friday, September 21, 2018	8	7	920	920
ML/LIL Imports:	- MW	Saturday, September 22, 2018	9	14	900	900
Current St. John's Temperature & Windchill: 6 °C	N/A °C	Sunday, September 23, 2018	6	8	955	955
7-Day Island Peak Demand Forecast:	970 MW	Monday, September 24, 2018	8	8	945	945

**Supply Notes For September 18, 2018**

- 3
- 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 some customer's load must 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, is necessary to ensure the integrity and reliability of system equipment. Under frequency events typically occur 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes.
  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, Vale capacity assistance (when applicable).
  7. Adjusted for CBPP, Vale and Praxair interruptible load, Maritime Link and Labrador-Island Link exports and the impact of voltage reduction, when applicable.

**Section 3  
Island Peak Demand Information  
Previous Day Actual Peak and Current Day Forecast Peak**

Mon, Sep 17, 2018	Actual Island Peak Demand <sup>8</sup>	17:35	809 MW
Tue, Sep 18, 2018	Forecast Island Peak Demand		930 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).