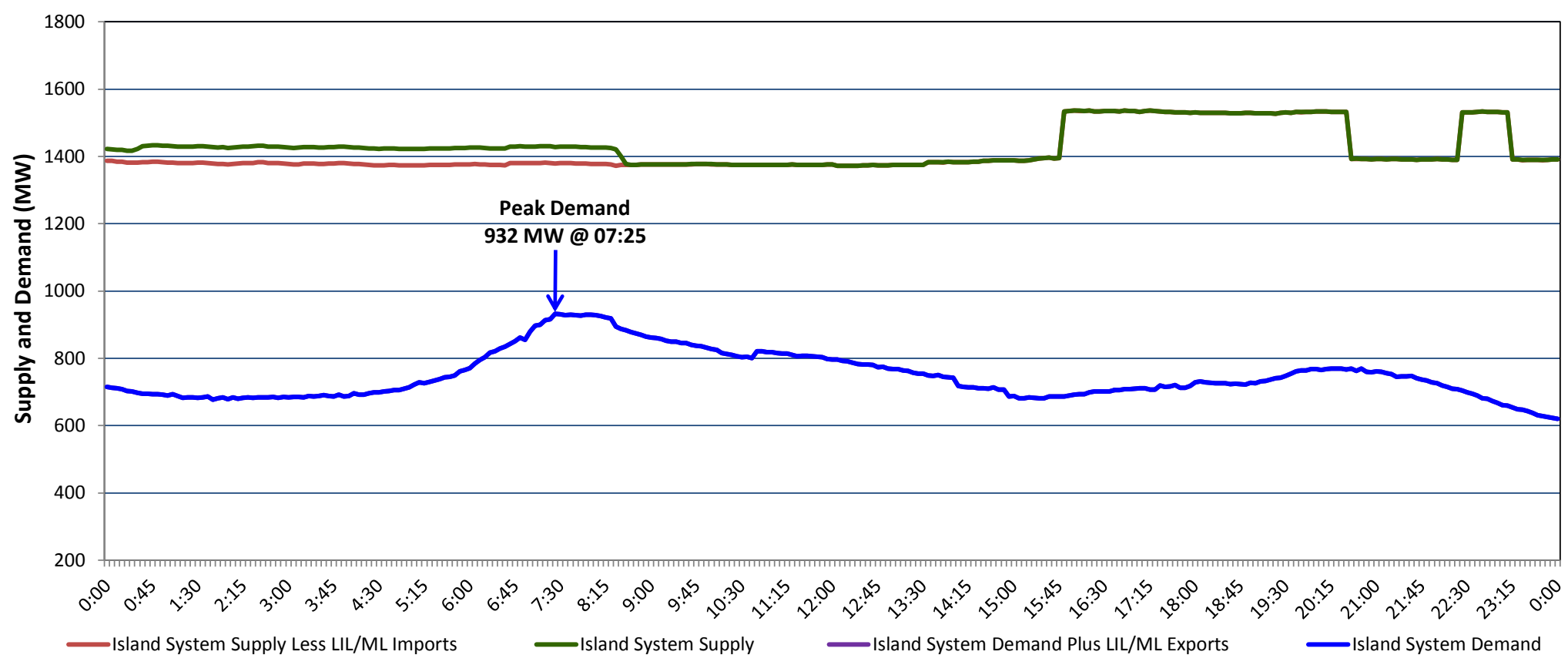


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Friday, September 20, 2019**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Thursday, September 19, 2019**



**Supply Notes For September 19, 2019**

- 1,2
- A As of 1303 hours, May 26, 2019, Bay d'Espoir Unit 7 unavailable due to planned outage (153.4 MW).
  - B As of 0800 hours, July 29, 2019, Holyrood Unit 1 unavailable due to planned outage (170 MW).
  - C As of 1150 hours, August 18, 2019, Hinds Lake Unit unavailable due to planned outage (75 MW).
  - D As of 1300 hours, August 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
  - E At 1338 hours, September 19, 2019, Paradise River Unit available (8 MW).
  - F At 1549 hours, September 19, 2019, Holyrood Unit 3 available at 140 MW (150 MW).
  - G At 2033 hours, September 19, 2019, Holyrood Unit 3 available at 140 MW but offline (150 MW).
  - H At 2223 hours, September 19, 2019, Holyrood Unit 3 available at 140 MW (150 MW).
  - I At 2312 hours, September 19, 2019, Holyrood Unit 3 unavailable 140 MW (150 MW).

**Section 2  
Island Interconnected Supply and Demand**

Fri, Sep 20, 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>	1,484 MW	Friday, September 20, 2019	13	12	840	840
NLH Island Generation: <sup>4</sup>	1,180 MW	Saturday, September 21, 2019	11	7	885	885
NLH Island Power Purchases: <sup>6</sup>	65 MW	Sunday, September 22, 2019	8	12	835	835
Other Island Generation:	190 MW	Monday, September 23, 2019	15	16	865	865
ML/LIL Imports:	49 MW	Tuesday, September 24, 2019	16	15	880	880
Current St. John's Temperature & Windchill: 9 °C	N/A °C	Wednesday, September 25, 2019	16	15	865	865
7-Day Island Peak Demand Forecast:	885 MW	Thursday, September 26, 2019	16	14	860	860

**Supply Notes For September 20, 2019**

- 3
- J At 0225 hours, September 20, 2019, Holyrood Unit 3 available at 140 MW (150 MW).
  - K At 0608 hours, September 20, 2019, Bay d'Espoir Unit 6 unavailable (76.5 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**

Thu, Sep 19, 2019	Actual Island Peak Demand <sup>8</sup>	07:25	932 MW
Fri, Sep 20, 2019	Forecast Island Peak Demand		840 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).