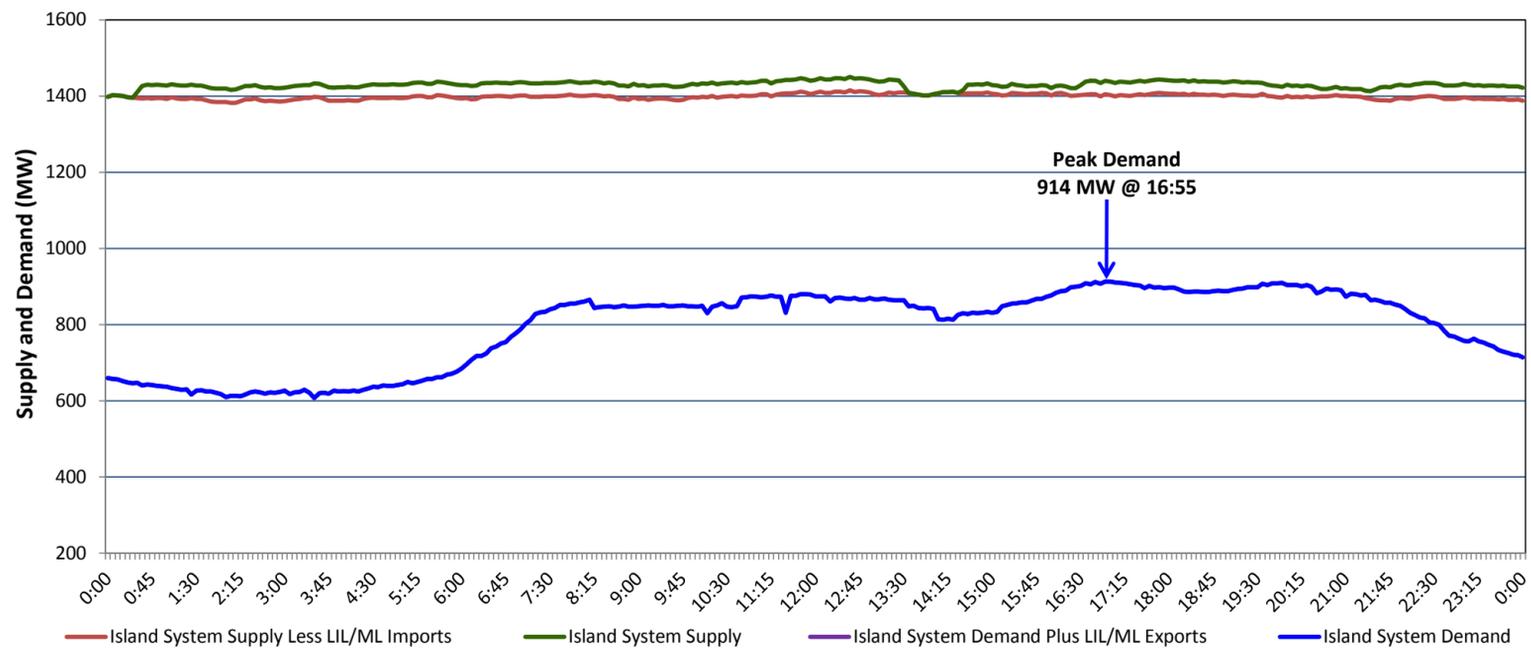


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Thursday, September 19, 2019**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Wednesday, September 18, 2019**



**Supply Notes For September 18, 2019**

- 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 As of 1620 hours, September 16, 2019, Holyrood Unit 3 available but offline (150 MW).
- F **At 0839 hours, September 18, 2019, Paradise River Unit unavailable due to planned outage (8 MW).**

**Section 2  
Island Interconnected Supply and Demand**

Thu, Sep 19, 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>	1,424 MW	Thursday, September 19, 2019	6	11	940	940
NLH Island Generation: <sup>4</sup>	1,110 MW	Friday, September 20, 2019	12	12	850	850
NLH Island Power Purchases: <sup>6</sup>	70 MW	Saturday, September 21, 2019	10	6	920	920
Other Island Generation:	195 MW	Sunday, September 22, 2019	8	11	845	845
ML/LIL Imports:	49 MW	Monday, September 23, 2019	15	18	840	840
Current St. John's Temperature & Windchill:	4 °C	Tuesday, September 24, 2019	16	16	880	880
7-Day Island Peak Demand Forecast:	940 MW	Wednesday, September 25, 2019	9	9	930	930

**Supply Notes For September 19, 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**

Wed, Sep 18, 2019	Actual Island Peak Demand <sup>8</sup>	16:55	914 MW
Thu, Sep 19, 2019	Forecast Island Peak Demand		940 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).