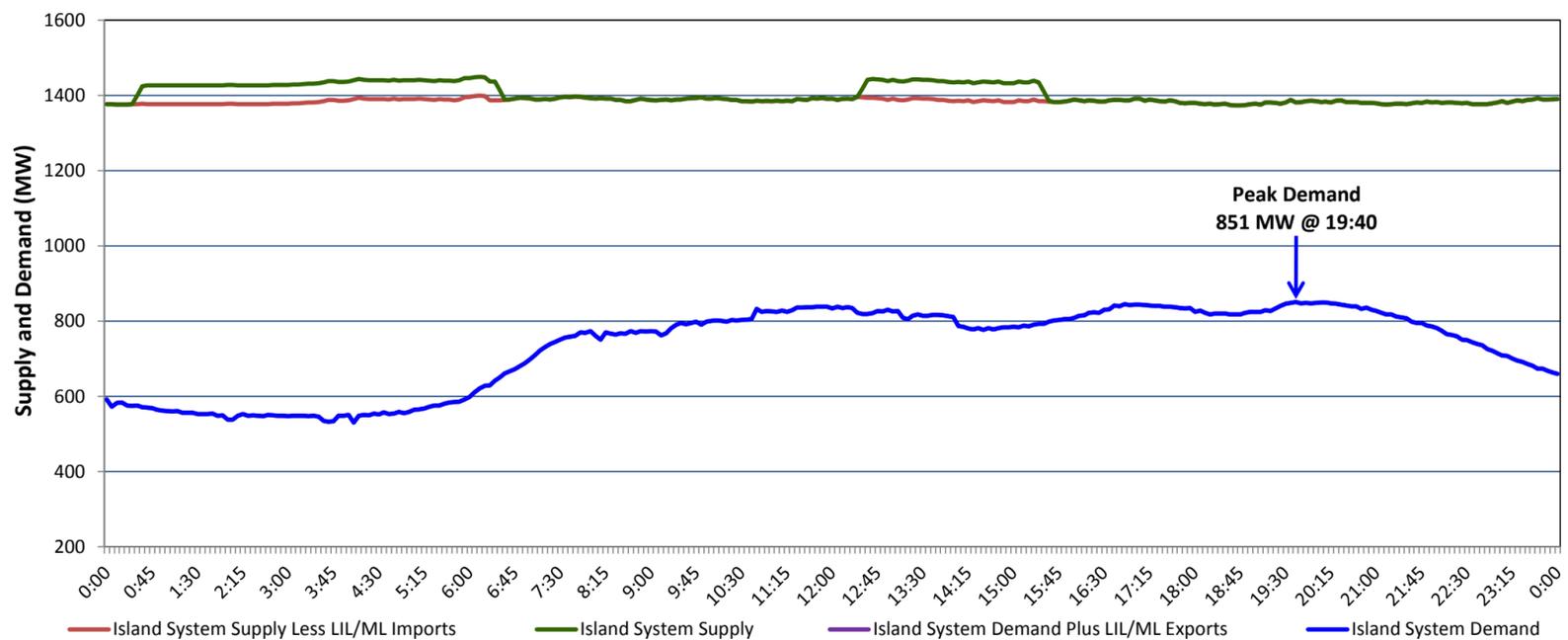


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, September 18, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Tuesday, September 17, 2019**



Supply Notes For September 17, 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 As of 1620 hours, September 16, 2019, Holyrood Unit 3 available but offline (150 MW).

**Section 2
Island Interconnected Supply and Demand**

Wed, Sep 18, 2019	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted ⁷
Available Island System Supply: ⁵	1,435 MW	Wednesday, September 18, 2019	9	7	910	910
NLH Island Generation: ⁴	1,120 MW	Thursday, September 19, 2019	7	11	935	935
NLH Island Power Purchases: ⁶	90 MW	Friday, September 20, 2019	13	13	865	865
Other Island Generation:	190 MW	Saturday, September 21, 2019	11	6	915	915
ML/LIL Imports:	35 MW	Sunday, September 22, 2019	8	12	850	850
Current St. John's Temperature & Windchill:	8 °C	Monday, September 23, 2019	13	16	895	895
7-Day Island Peak Demand Forecast:	935 MW	Tuesday, September 24, 2019	17	17	870	870

Supply Notes For September 18, 2019

- 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 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, Sep 17, 2019	Actual Island Peak Demand ⁸	19:40	851 MW
Wed, Sep 18, 2019	Forecast Island Peak Demand		910 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).