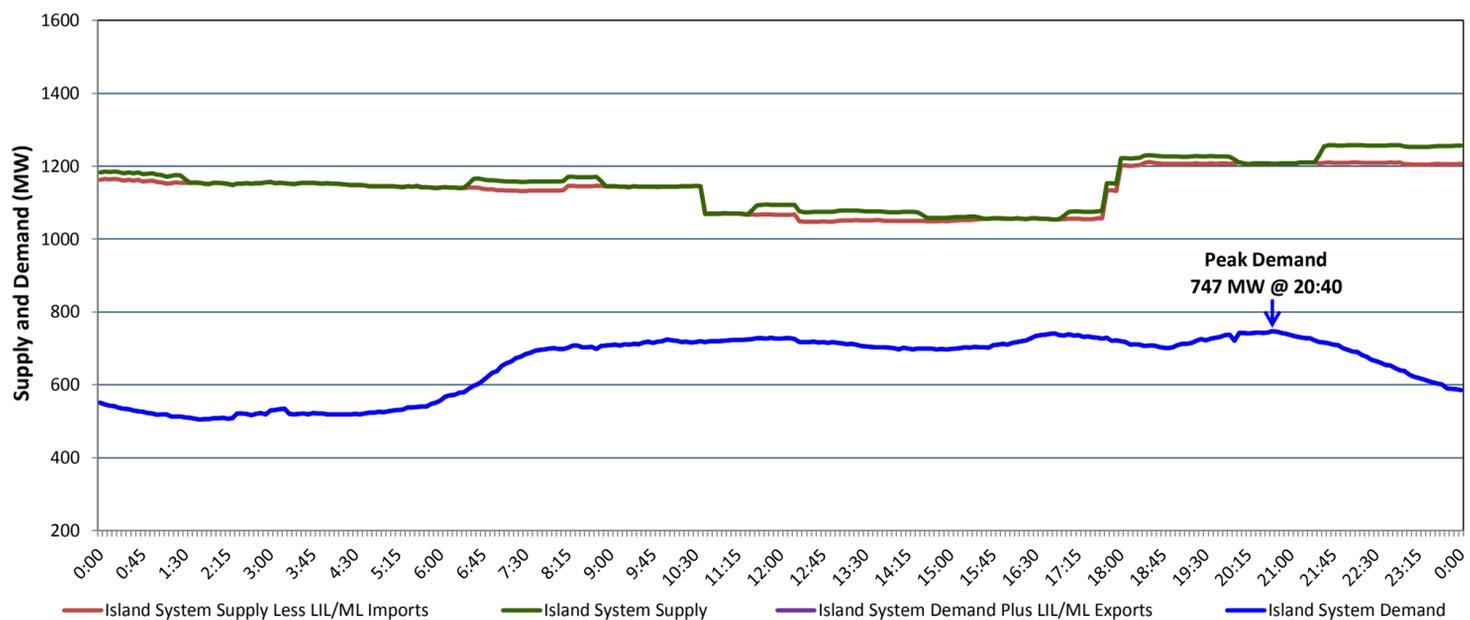


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, September 05, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, September 04, 2019**



Supply Notes For September 04, 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 1800 hours, August 22, 2019, Holyrood Unit 3 available but offline for economic dispatch (150 MW).
- E As of 1300 hours, August 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
- F As of 0757 hours, September 01, 2019, Holyrood Unit 2 available but offline for economic dispatch (170 MW).
- G At 0900 hours, September 04, 2019, St. Anthony Diesel Plant available at 8.7 MW (9.7 MW).
- H At 1040 hours, September 04, 2019, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
- I At 1742 hours, September 04, 2019, Bay d'Espoir Unit 5 available (76.5 MW).
- J At 1758 hours, September 04, 2019, Bay d'Espoir Unit 6 available (76.5 MW).

**Section 2
Island Interconnected Supply and Demand**

Thu, Sep 05, 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	1,269 MW	Thursday, September 05, 2019	19	19	765	765
NLH Island Generation: ⁴	945 MW	Friday, September 06, 2019	14	14	805	805
NLH Island Power Purchases: ⁶	85 MW	Saturday, September 07, 2019	12	12	795	795
Other Island Generation:	190 MW	Sunday, September 08, 2019	16	12	880	880
ML/LIL Imports:	49 MW	Monday, September 09, 2019	11	12	890	890
Current St. John's Temperature & Windchill: 18 °C	N/A °C	Tuesday, September 10, 2019	12	11	870	870
7-Day Island Peak Demand Forecast:	890 MW	Wednesday, September 11, 2019	9	9	890	890

Supply Notes For September 05, 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 04, 2019	Actual Island Peak Demand ⁸	20:40	747 MW
Thu, Sep 05, 2019	Forecast Island Peak Demand		765 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).