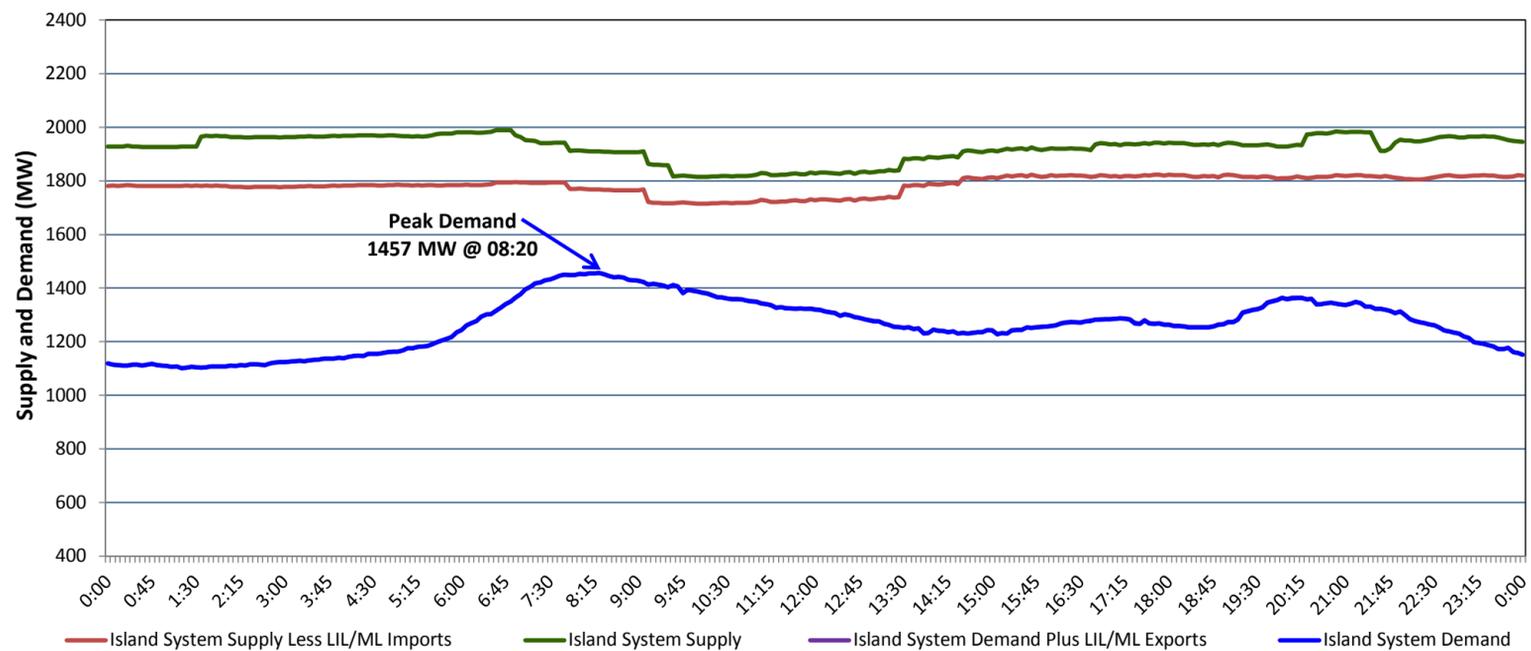


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, March 21, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, March 20, 2019**



Supply Notes For March 20, 2019

- 1,2
- A As of 0045 hours, March 09, 2019, Holyrood Unit 3 removed from service for economic dispatch (150 MW).
 - B As of 1159 hours, March 17, 2019, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).
 - C At 0746 hours, March 20, 2019, Hardwoods Gas Turbine unavailable 25 MW (50 MW).
 - D At 0909 hours, March 20, 2019 Holyrood Unit 1 available at 125 MW (170 MW).
 - E At 1328 hours, March 20, 2019 Holyrood Unit 1 available at full capacity (170 MW).
 - F At 1426 hours, March 20, 2019, Hardwoods Gas Turbine available at 25 MW (50 MW).

**Section 2
Island Interconnected Supply and Demand**

Thu, Mar 21, 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	2,005 MW	Thursday, March 21, 2019	-3	-1	1,435	1,332
NLH Island Generation: ⁴	1,440 MW	Friday, March 22, 2019	-2	1	1,390	1,288
NLH Island Power Purchases: ⁶	145 MW	Saturday, March 23, 2019	5	2	1,140	1,041
Other Island Generation:	205 MW	Sunday, March 24, 2019	0	0	1,275	1,174
ML/LIL Imports:	215 MW	Monday, March 25, 2019	-4	-1	1,410	1,308
Current St. John's Temperature & Windchill:	-5 °C -12 °C	Tuesday, March 26, 2019	-1	0	1,405	1,303
7-Day Island Peak Demand Forecast:	1,435 MW	Wednesday, March 27, 2019	0	-5	1,400	1,298

Supply Notes For March 21, 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**

Wed, Mar 20, 2019	Actual Island Peak Demand ⁸	08:20	1,457 MW
Thu, Mar 21, 2019	Forecast Island Peak Demand		1,435 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).