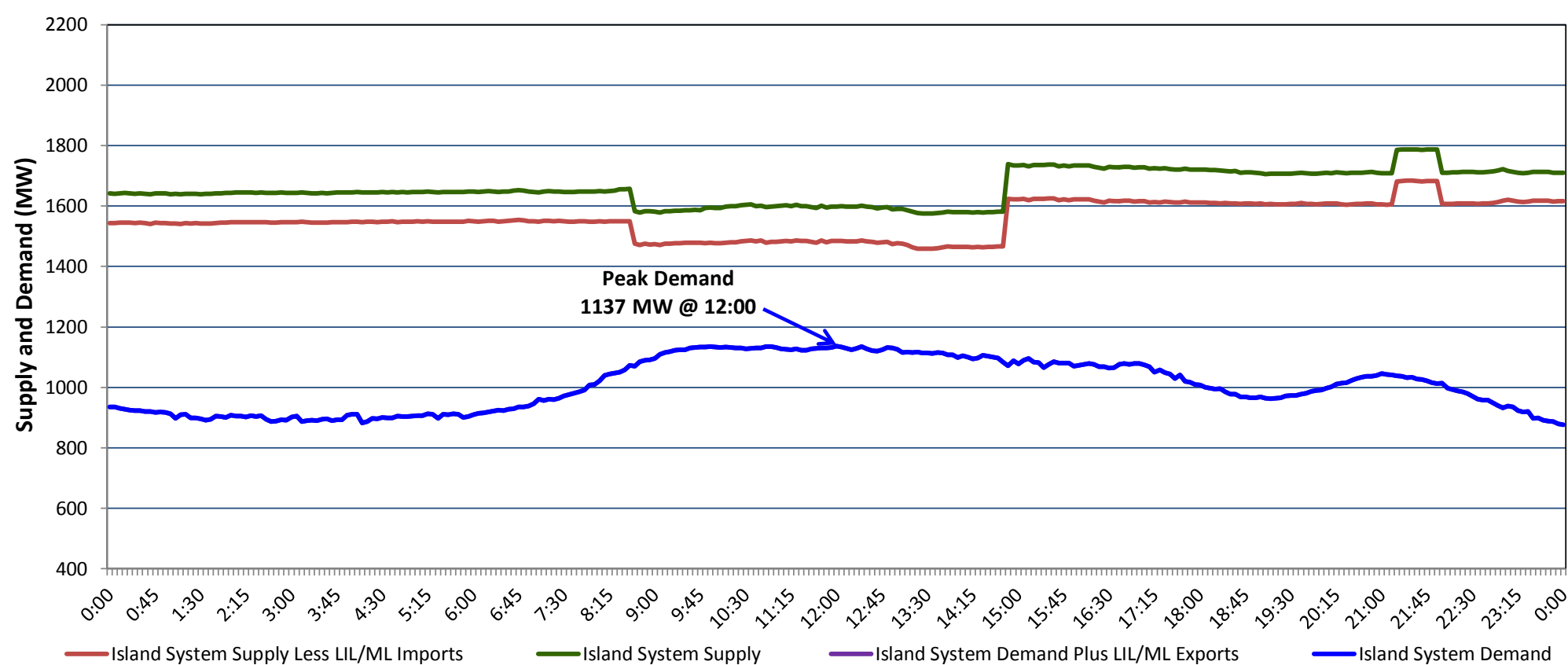


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, April 29, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Sunday, April 28, 2019**



Supply Notes For April 28, 2019

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- A As of 0000 hours, April 01, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- B As of 1134 hours, April 12, 2019, Holyrood Unit 2 unavailable (170 MW).
- C As of 0900 hours, April 23, 2019, St. Anthony Diesel Plant unavailable due to planned outage 7.7 MW (9.7 MW).
- D As of 1833 hours, April 27, 2019, Hardwoods Gas Turbine available at 25 MW (50 MW).
- E At 0836 hours, April 28, 2019, Bay d'Espoir Unit 5 unavailable (76.5 MW).
- F At 1448 hours, April 28, 2019, Bay d'Espoir Unit 3 available (76.5 MW).
- G At 1448 hours, April 28, 2019, Bay d'Espoir Unit 4 available (76.5 MW).
- H At 2112 hours, April 28, 2019, Bay d'Espoir Unit 5 available (76.5 MW).
- I At 2200 hours, April 28, 2019, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).

**Section 2
Island Interconnected Supply and Demand**

Mon, Apr 29, 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	1,689 MW	Monday, April 29, 2019	3	0	1,135	1,055
NLH Island Generation: ⁴	1,260 MW	Tuesday, April 30, 2019	-1	0	1,290	1,210
NLH Island Power Purchases: ⁶	110 MW	Wednesday, May 01, 2019	1	4	1,210	1,210
Other Island Generation:	215 MW	Thursday, May 02, 2019	1	1	1,200	1,200
ML/LIL Imports:	104 MW	Friday, May 03, 2019	2	3	1,210	1,210
Current St. John's Temperature & Windchill:	3 °C	Saturday, May 04, 2019	2	2	1,150	1,150
7-Day Island Peak Demand Forecast:	1,290 MW	Sunday, May 05, 2019	6	4	920	920

Supply Notes For April 29, 2019

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- 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**

Sun, Apr 28, 2019	Actual Island Peak Demand ⁸	12:00	1,137 MW
Mon, Apr 29, 2019	Forecast Island Peak Demand		1,135 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).