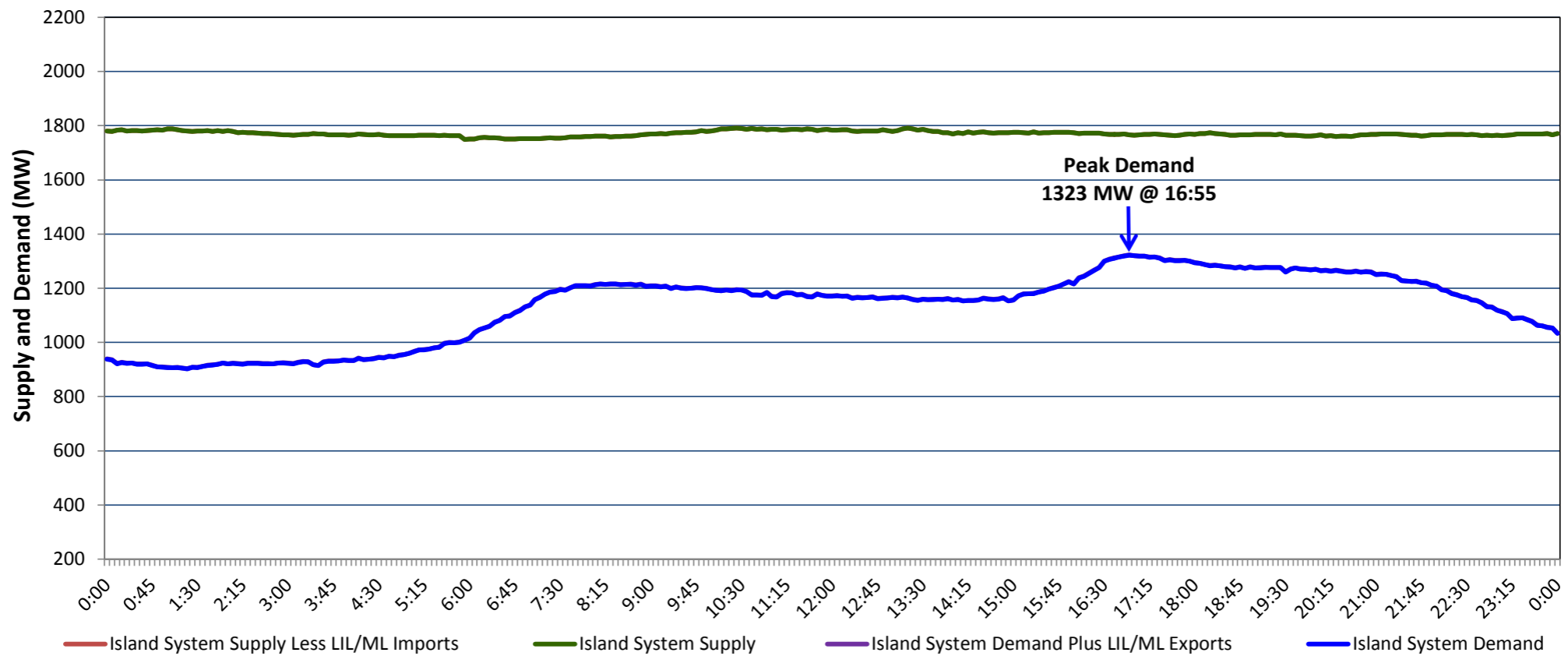


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, December 05, 2018**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Tuesday, December 04, 2018**



Supply Notes For December 04, 2018

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- A As of 1635 hours, November 28, 2018, Holyrood Unit 1 available at 160 MW (170 MW).
- B As of 0756 hours, November 30, 2018, Hardwoods Gas Turbine unavailable due to planned outage 25 MW (50 MW).
- C As of 2001 hours, November 30, 2018, Holyrood Unit 2 unavailable due to planned outage (170 MW).

**Section 2
Island Interconnected Supply and Demand**

Wed, Dec 05, 2018	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	1,785 MW	Wednesday, December 05, 2018	-4	-6	1,455	1,352
NLH Island Generation: ⁴	1,465 MW	Thursday, December 06, 2018	-6	-2	1,475	1,372
NLH Island Power Purchases: ⁶	135 MW	Friday, December 07, 2018	-2	-3	1,405	1,303
Other Island Generation:	185 MW	Saturday, December 08, 2018	-5	-2	1,410	1,308
ML/LIL Imports:	- MW	Sunday, December 09, 2018	-1	-4	1,460	1,357
Current St. John's Temperature & Windchill:	-4 °C	Monday, December 10, 2018	-8	-5	1,540	1,436
7-Day Island Peak Demand Forecast:	1,545 MW	Tuesday, December 11, 2018	-6	-7	1,545	1,441

Supply Notes For December 05, 2018

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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**

Tue, Dec 04, 2018	Actual Island Peak Demand ⁸	16:55	1,323 MW
Wed, Dec 05, 2018	Forecast Island Peak Demand		1,455 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).