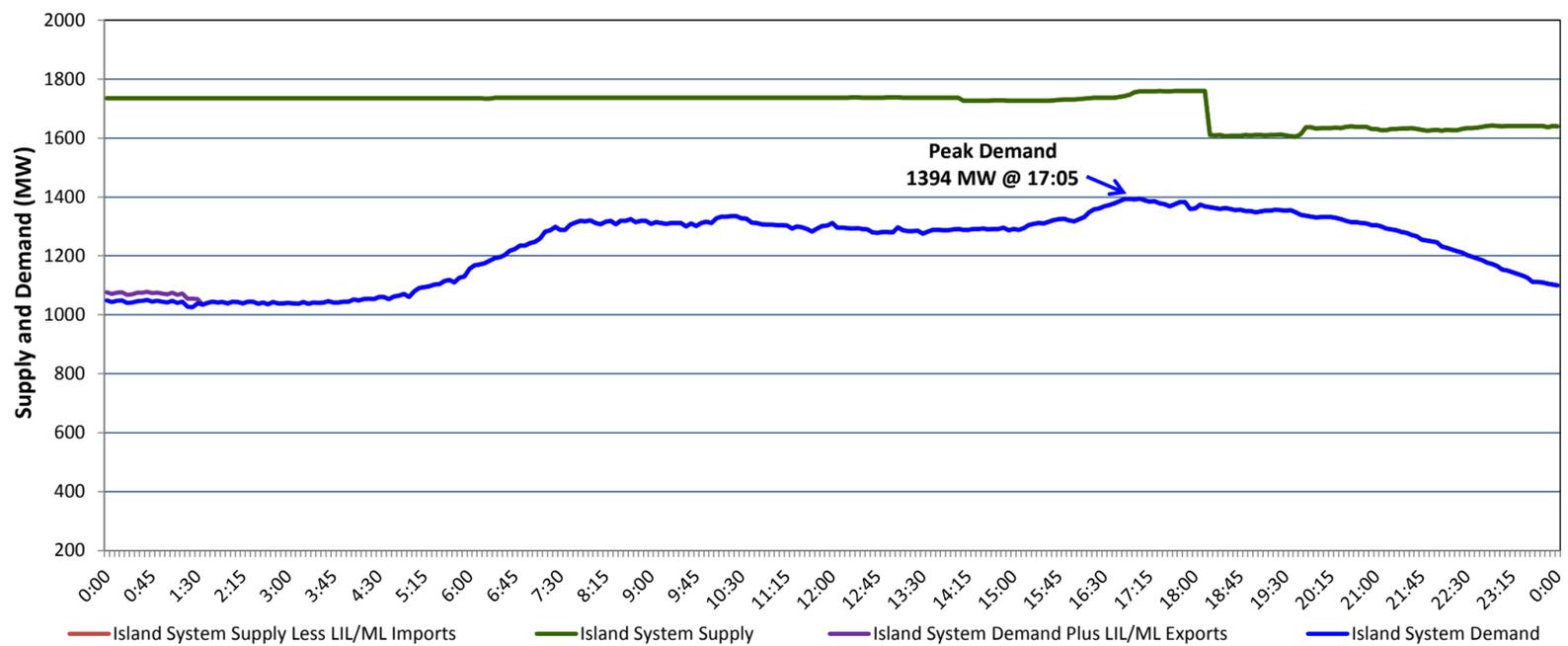


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, November 16, 2018**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Thursday, November 15, 2018**



Supply Notes For November 15, 2018

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- A** As of 2017 hours, November 03, 2018, Holyrood Unit 1 unavailable due to planned outage 40 MW (170 MW).
B As of 0729 hours, November 09, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
C At 1814 hours, November 15, 2018, Holyrood Unit 3 unavailable (150 MW).

**Section 2
Island Interconnected Supply and Demand**

Fri, Nov 16, 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	1,645 MW	Friday, November 16, 2018	-3	-4	1,360	1,264
NLH Island Generation: ⁴	1,350 MW	Saturday, November 17, 2018	5	2	1,275	1,180
NLH Island Power Purchases: ⁶	95 MW	Sunday, November 18, 2018	-1	-1	1,295	1,200
Other Island Generation:	200 MW	Monday, November 19, 2018	-4	2	1,375	1,279
ML/LIL Imports:	- MW	Tuesday, November 20, 2018	2	-2	1,350	1,254
Current St. John's Temperature & Windchill:	-4 °C -11 °C	Wednesday, November 21, 2018	-1	2	1,370	1,274
7-Day Island Peak Demand Forecast:	1,410 MW	Thursday, November 22, 2018	-2	0	1,410	1,314

Supply Notes For November 16, 2018

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- D** At 0440 hours, November 16, 2018, Hardwoods Gas Turbine unavailable (50 MW).
E At 0609 hours, November 16, 2018, Hardwoods Gas Turbine available (50 MW).

- 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**

Thu, Nov 15, 2018	Actual Island Peak Demand ⁸	17:05	1,394 MW
Fri, Nov 16, 2018	Forecast Island Peak Demand		1,360 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).