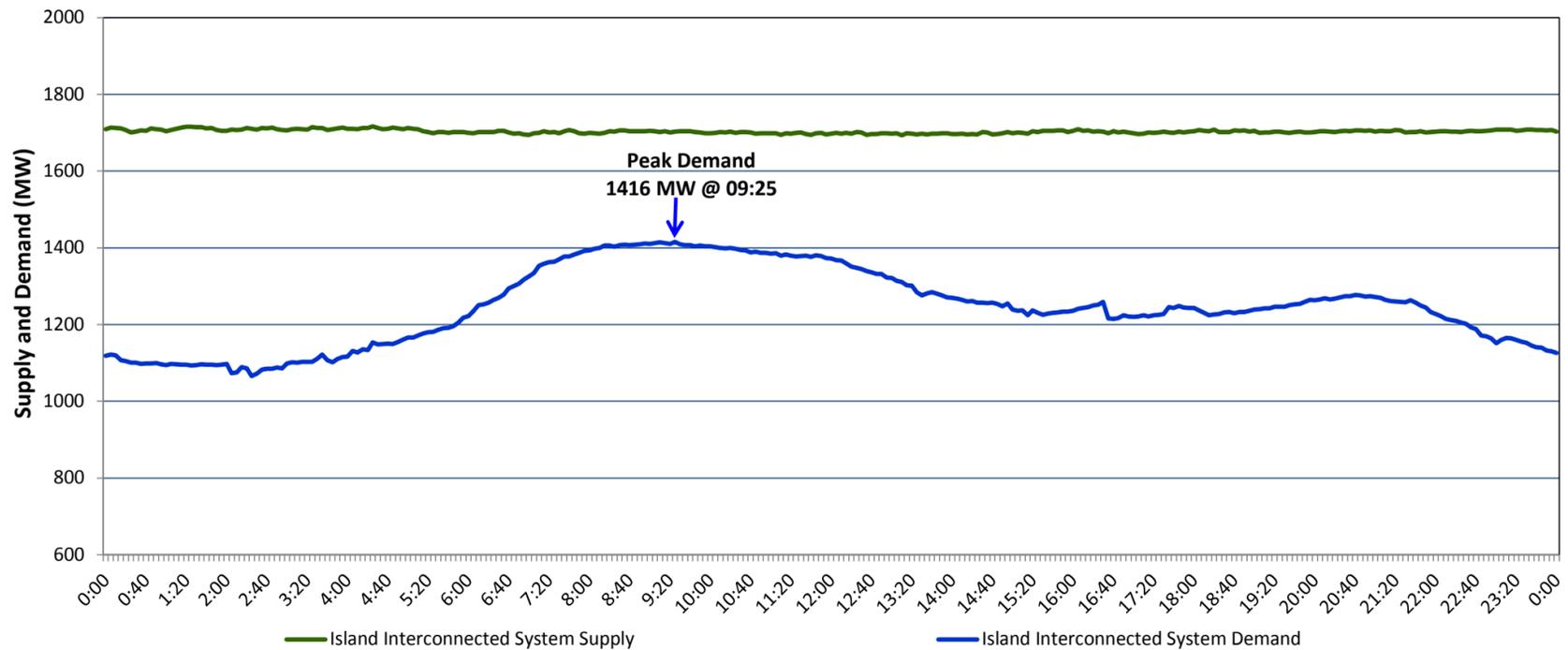


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, April 19, 2017**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Tuesday, April 18, 2017**



Supply Notes For April 18, 2017

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- A As of 0829 hours, March 31, 2017, Holyrood Unit 1 available at 135 MW (170 MW).
- B As of 0829 hours, March 31, 2017, Holyrood Unit 3 available at 135 MW (150 MW).
- C As of 1526 hours, April 03, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
- D As of 2151 hours, April 07, 2017, Holyrood Unit 2 unavailable due to planned outage 130 MW (170 MW).
- E As of 1040 hours, April 09, 2017, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).

**Section 2
Island Interconnected Supply and Demand**

Wed, Apr 19, 2017	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
			Morning	Evening	
Available Island System Supply: ⁵	1,705 MW	Wednesday, April 19, 2017	-1	-2	1,415
NLH Generation: ⁴	1,370 MW	Thursday, April 20, 2017	0	0	1,310
NLH Power Purchases: ⁶	120 MW	Friday, April 21, 2017	1	2	1,235
Other Island Generation:	215 MW	Saturday, April 22, 2017	2	2	1,135
Current St. John's Temperature:	-3 °C	Sunday, April 23, 2017	5	5	1,025
Current St. John's Windchill:	-11 °C	Monday, April 24, 2017	2	4	1,170
7-Day Island Peak Demand Forecast:	1,415 MW	Tuesday, April 25, 2017	5	6	1,050

Supply Notes For April 19, 2017

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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 Interconnected System being isolated from the larger North American grid, when there is a sudden loss of large generating units some customer's load must 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, is necessary to ensure the integrity and reliability of system equipment. Under frequency events typically occur 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes.
 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 Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance (when applicable), and Wind Generation.

**Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak**

Tue, Apr 18, 2017	Actual Island Peak Demand ⁸	09:25	1,416 MW
Wed, Apr 19, 2017	Forecast Island Peak Demand		1,415 MW

- Notes: 8. Island Demand is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).