

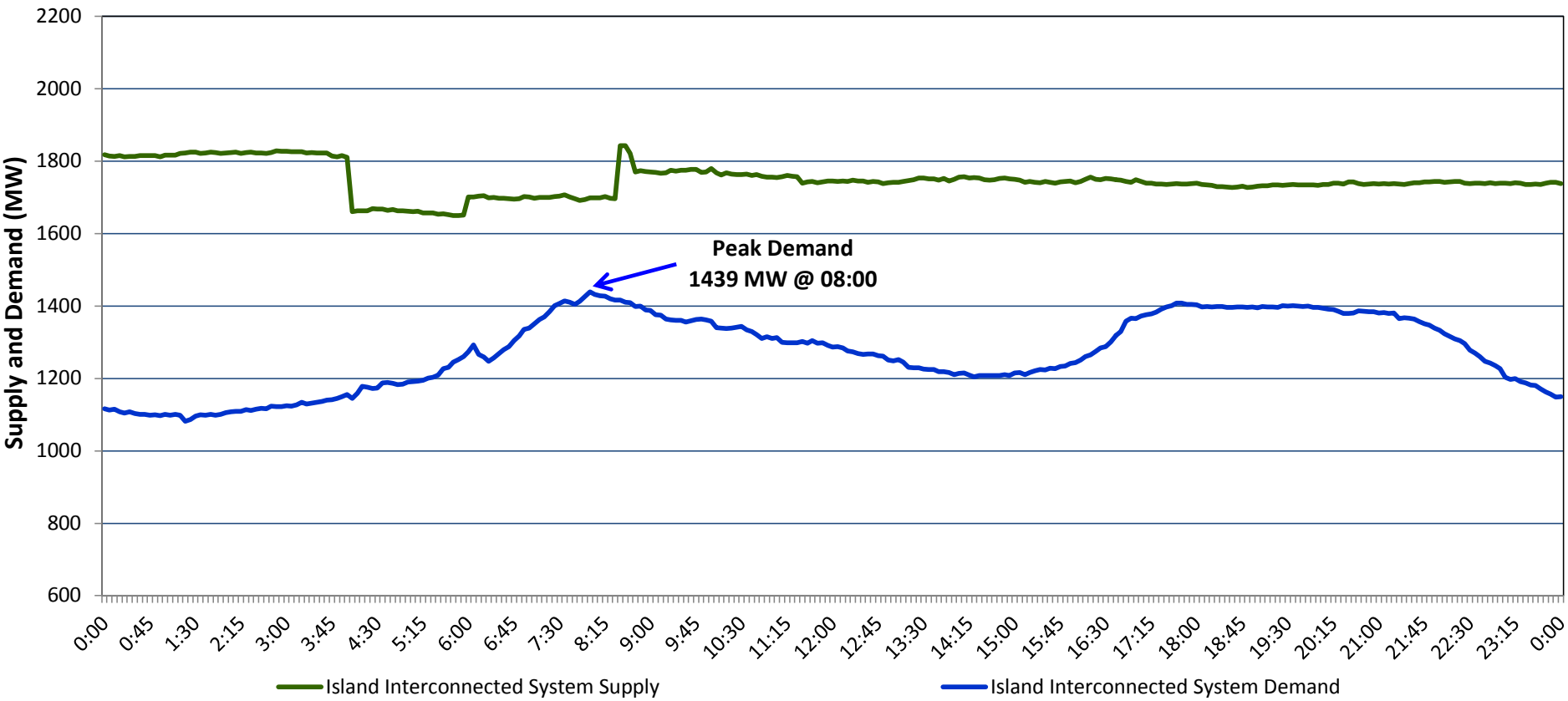
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Thursday, February 04, 2016

Section 1

Island Interconnected System Supply and Demand

Actual 24 Hour System Performance For Wednesday, February 03, 2016



Supply Notes For February 03, 2016

- 1,2
- A
- As of 1956 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.
- B
- At 0401 hours, February 03, 2016, Holyrood Unit 1 unavailable. Previously derated to 155 MW (170 MW).
- C
- At 0556 hours, February 03, 2016, Holyrood Unit 1 available. Derated to 50 MW (170 MW).
- D
- At 0823 hours, February 03, 2016, Holyrood Unit 2 available. Derated to 100 MW (170 MW).
- E
- At 0844 hours, February 03, 2016, Holyrood Unit 1 unavailable. Previously derated to 50 MW (170 MW).

Section 2

Island Interconnected Supply and Demand

Thu, Feb 04, 2016	Island System Outlook ³		Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
				Morning	Evening	Forecast	Adjusted ⁶
Available Island System Supply: ⁵	1,805	MW	Thursday, February 04, 2016	-5	7	1,405	1,309
NLH Generation: ⁴	1,505	MW	Friday, February 05, 2016	4	2	1,285	1,190
NLH Power Purchases: ⁷	100	MW	Saturday, February 06, 2016	6	-5	1,410	1,314
Other Island Generation:	200	MW	Sunday, February 07, 2016	-6	-3	1,380	1,284
Current St. John's Temperature:	-3	°C	Monday, February 08, 2016	-2	-3	1,415	1,318
Current St. John's Windchill:	-9	°C	Tuesday, February 09, 2016	-3	-1	1,420	1,323
7-Day Island Peak Demand Forecast:	1,420	MW	Wednesday, February 10, 2016	2	2	1,265	1,170

Supply Notes For February 04, 2016

- 3
- F
- At 0604 hours, February 04, 2016, Holyrood Unit 1 available. Derated to 50 MW (170 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 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.

Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.

7.

NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance, and Wind Generation.

Section 3

Island Peak Demand Information

Previous Day Actual Peak and Current Day Forecast Peak

Wed, Feb 03, 2016	Actual Island Peak Demand ⁸	08:00	1,439 MW
Thu, Feb 04, 2016	Forecast Island Peak Demand		1,405 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).