

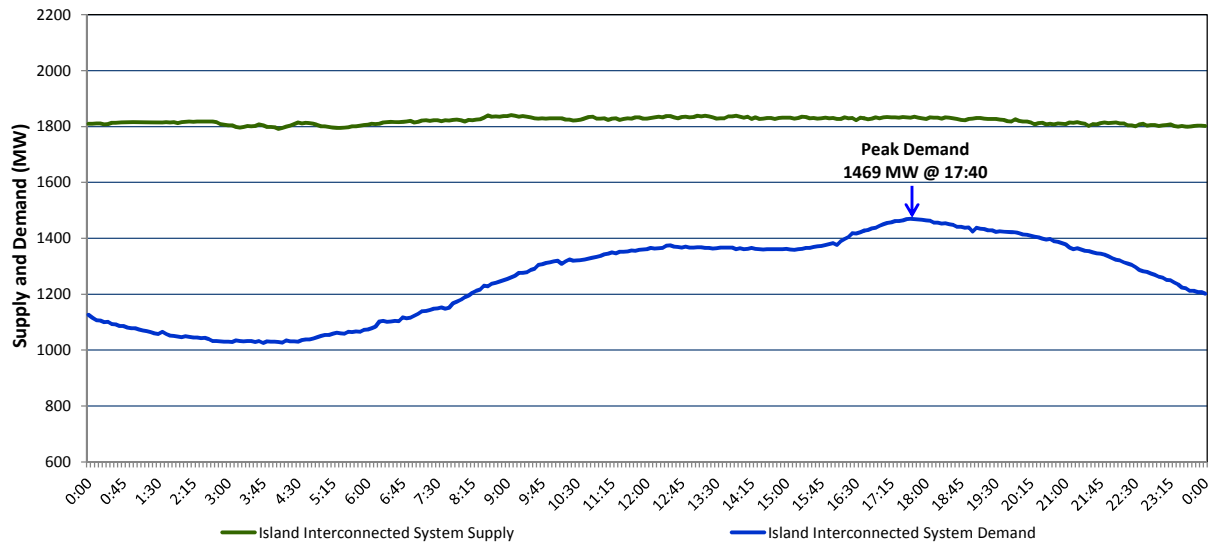
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Monday, February 01, 2016

Section 1

Island Interconnected System Supply and Demand

Actual 24 Hour System Performance For Saturday, January 30, 2016



Supply Notes For January 30, 2016

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- A** As of 1437 hours, December 12, 2015, Holyrood Unit 1 available. Derated to 155 MW (170 MW).
- B** As of 1956 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.
- C** As of 1538 hours, January 19, 2016, Holyrood Unit 2 unavailable. Previously derated to 70 MW (170 MW).

Section 2

Island Interconnected Supply and Demand

Sun, Jan 31, 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	1,795 MW	Sunday, January 31, 2016	-7	-2	1,455	1,358
NLH Generation: ⁴	1,510 MW	Monday, February 01, 2016	1	4	1,315	1,220
NLH Power Purchases: ⁷	70 MW	Tuesday, February 02, 2016	4	-1	1,315	1,220
Other Island Generation:	215 MW	Wednesday, February 03, 2016	-8	-6	1,520	1,422
Current St. John's Temperature:	-7 °C	Thursday, February 04, 2016	-3	5	1,395	1,299
Current St. John's Windchill:	-15 °C	Friday, February 05, 2016	2	0	1,270	1,175
7-Day Island Peak Demand Forecast:	1,520 MW	Saturday, February 06, 2016	-4	-5	1,395	1,299

Supply Notes For January 31, 2016

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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. 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

Sat, Jan 30, 2016	Actual Island Peak Demand ⁸	17:40	1,469 MW
Sun, Jan 31, 2016	Forecast Island Peak Demand		1,455 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).