

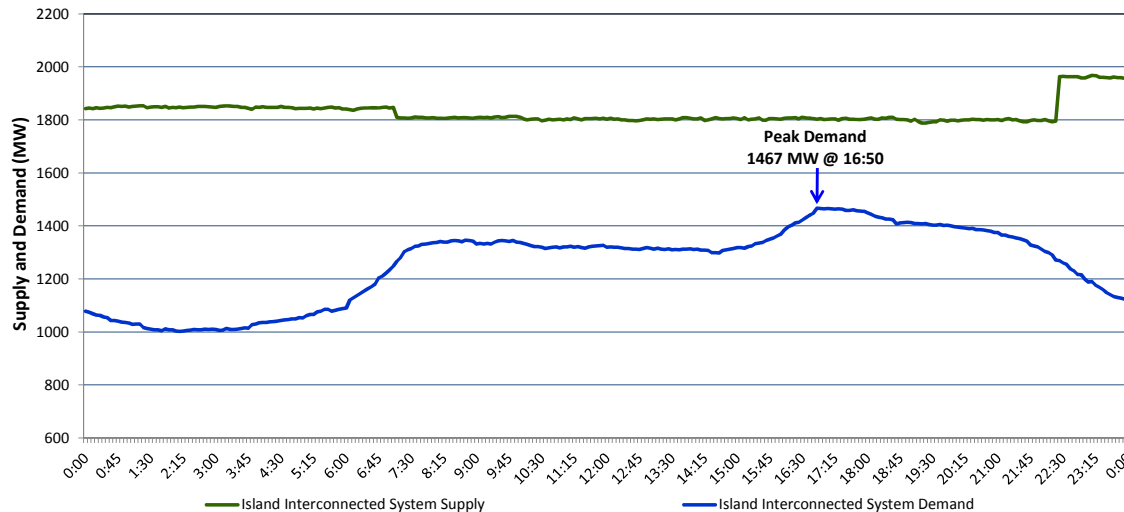
# Newfoundland Labrador Hydro (NLH)

## Supply and Demand Status Report Filed Thursday, December 17, 2015

### Section 1

#### Island Interconnected System Supply and Demand

##### Actual 24 Hour System Performance For Wednesday, December 16, 2015



#### Supply Notes For December 16, 2015

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- A** As of 1200 hours, November 06, 2015, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.
- B** As of 1437 hours, December 12, 2015, Holyrood Unit 1 available. Derated to 155 MW (170 MW).
- C** As of 0900 hours, December 13, 2015, St. Anthony Diesel Unit 2003 unavailable (1 MW).
- D** As of 1000 hours, December 15, 2015, St. Anthony Diesel Unit 229 unavailable (1 MW).
- E** At 0709 hours, December 16, 2015, Granite Canal Unit unavailable (40 MW).
- F** At 2221 hours, December 16, 2015, Holyrood Unit 2 available (170 MW).

### Section 2

#### Island Interconnected Supply and Demand

Thu, Dec 17, 2015		Island System Outlook <sup>3</sup>		Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)	
						Morning	Evening	Forecast	Adjusted <sup>6</sup>
Available Island System Supply: <sup>5</sup>		1,960	MW	Thursday, December 17, 2015		-2	-5	1,455	1,368
NLH Generation: <sup>4</sup>		1,635	MW	Friday, December 18, 2015		-4	1	1,380	1,294
NLH Power Purchases:		110	MW	Saturday, December 19, 2015		6	3	1,270	1,185
Other Island Generation:		215	MW	Sunday, December 20, 2015		-2	-1	1,445	1,358
Current St. John's Temperature:		-3	°C	Monday, December 21, 2015		-5	-3	1,465	1,378
Current St. John's Windchill:		-11	°C	Tuesday, December 22, 2015		-4	0	1,410	1,324
7-Day Island Peak Demand Forecast:		1,465	MW	Wednesday, December 23, 2015		3	0	1,330	1,244

#### Supply Notes For December 17, 2015

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- Notes:
- 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.
  - 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 underfrequency load shedding, is necessary to ensure the integrity and reliability of system equipment. Underfrequency 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.
  - As of 0800 Hours.
  - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
  - Gross output from all Island sources (including Note 4).
  - Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.

### Section 3

#### Island Peak Demand Information

##### Previous Day Actual Peak and Current Day Forecast Peak

Wed, Dec 16, 2015	Actual Island Peak Demand <sup>7</sup>	16:50	1,467 MW
Thu, Dec 17, 2015	Forecast Island Peak Demand		1,455 MW

Notes: 7. 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).