

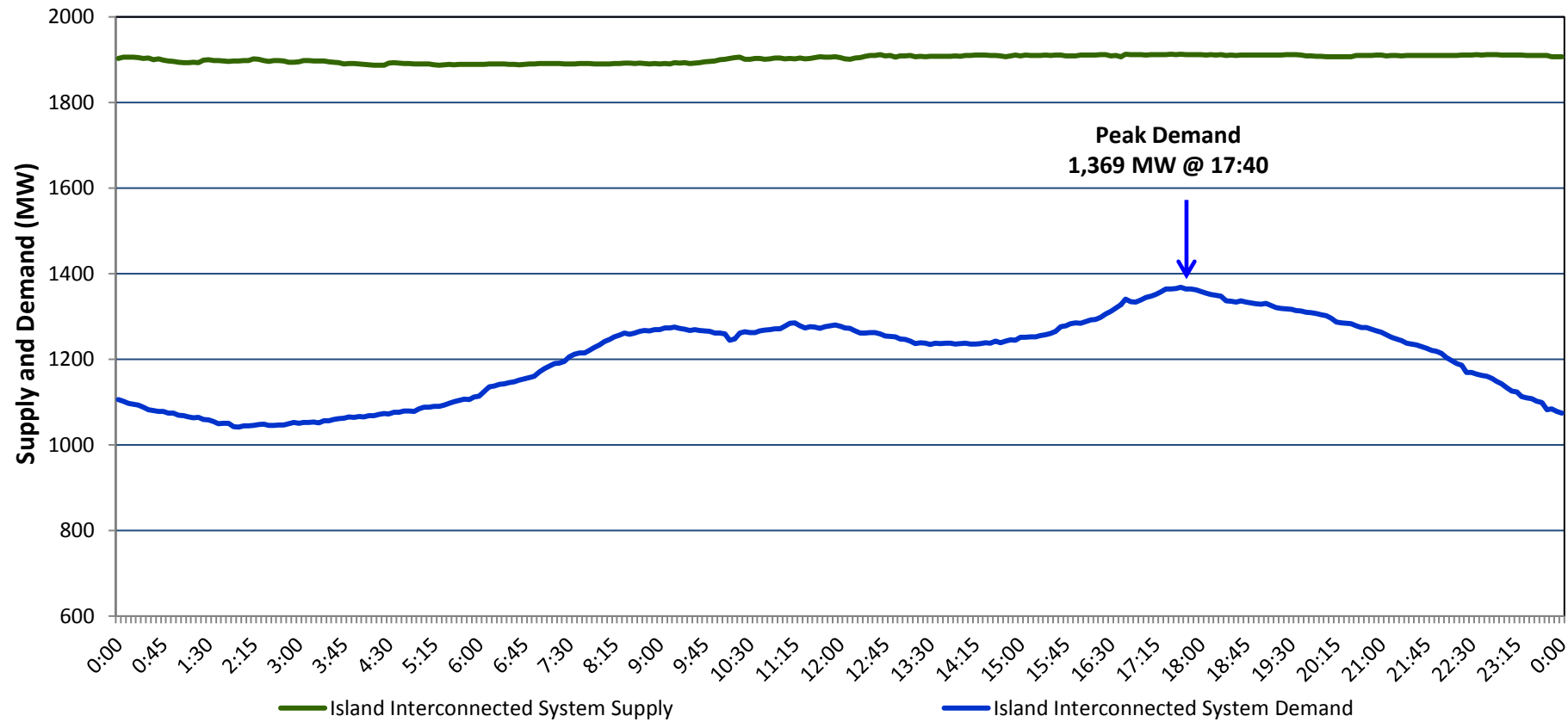
# Newfoundland Labrador Hydro (NLH)

## Supply and Demand Status Report Filed Monday, February 02, 2015

### Section 1

#### Island Interconnected System Supply and Demand

#### Actual 24 Hour System Performance For Saturday, January 31, 2015



#### Supply Notes for January 31, 2015<sup>1,2</sup>

**A** As of 1016 hours, January 30, 2015, St. Anthony Diesel Plant G5 (Unit 546) unavailable (2 MW).

### Section 2

#### Island Interconnected Supply and Demand

Sun, Feb 01, 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>	1,910	MW	Sunday, February 01, 2015	4	2	1,225	1,130
NLH Generation: <sup>4</sup>	1,565	MW	Monday, February 02, 2015	-8	-7	1,520	1,420
NLH Power Purchases:	135	MW	Tuesday, February 03, 2015	0	0	1,450	1,355
Other Island Generation:	210	MW	Wednesday, February 04, 2015	-8	-7	1,525	1,425
Current St. John's Temperature:	2	°C	Thursday, February 05, 2015	-8	-3	1,485	1,390
Current St. John's Windchill:	N/A	°C	Friday, February 06, 2015	1	-1	1,355	1,260
7-Day Island Peak Demand Forecast:	1,530	MW	Saturday, February 07, 2015	-9	-9	1,530	1,430

#### Supply Notes for February 01, 2015<sup>3</sup>

- 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 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.
  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.

### Section 3

#### Island Peak Demand Information

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

Sat, Jan 31, 2015	Actual Island Peak Demand <sup>7</sup>	17:40	1,369 MW
Sun, Feb 01, 2015	Forecast Island Peak Demand		1,225 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).