

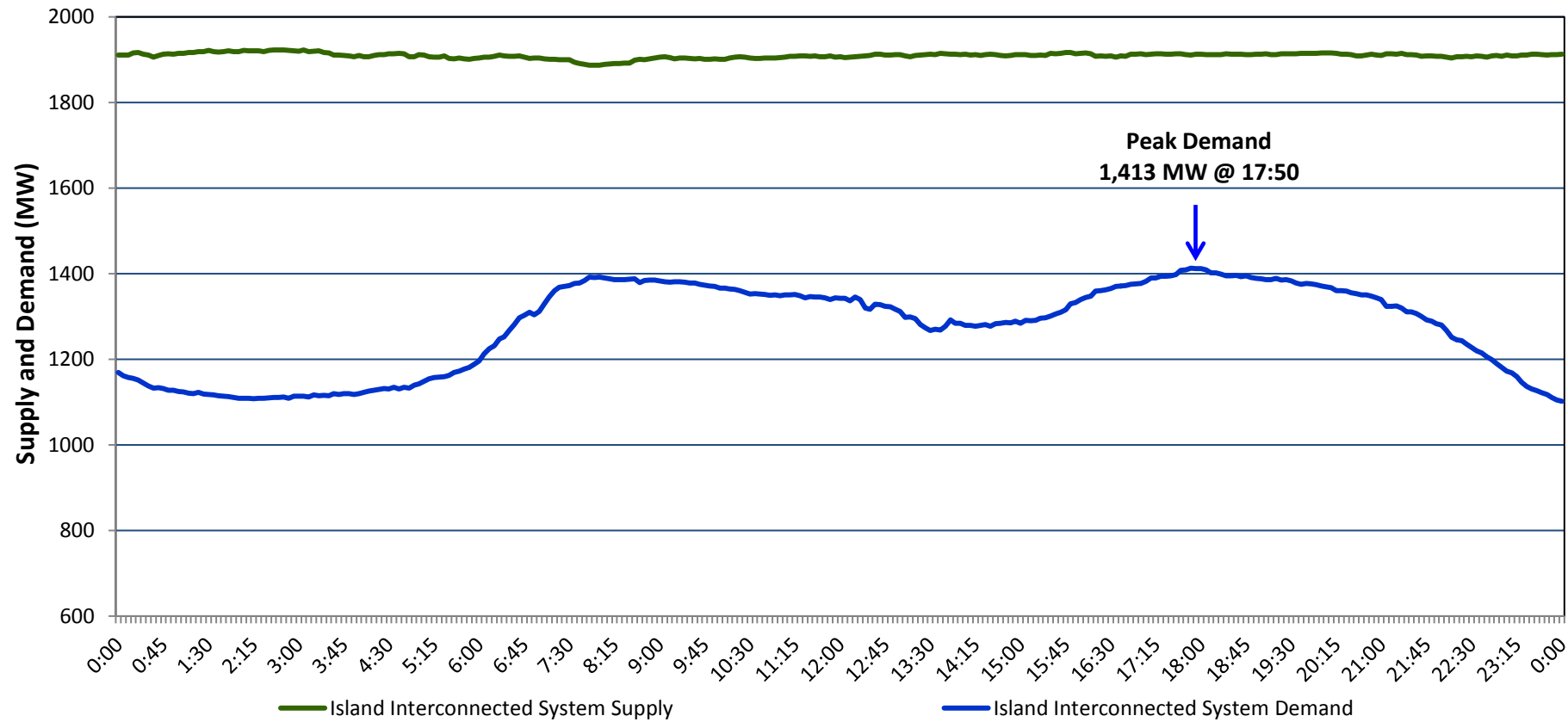
# Newfoundland Labrador Hydro (NLH)

## Supply and Demand Status Report Filed Friday, February 20, 2015

### Section 1

#### Island Interconnected System Supply and Demand

#### Actual 24 Hour System Performance For Thursday, February 19, 2015



#### Supply Notes For February 19, 2015 <sup>1,2</sup>

A At 1417 hours, February 19, 2015, Hawkes Bay Unit 547 returned to service (2.5 MW).

### Section 2

#### Island Interconnected Supply and Demand

Fri, Feb 20, 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>	1,925	MW	Friday, February 20, 2015		5	-2	1,370	1,275
NLH Generation: <sup>4</sup>	1,570	MW	Saturday, February 21, 2015		-5	-6	1,435	1,340
NLH Power Purchases:	155	MW	Sunday, February 22, 2015		-7	0	1,425	1,330
Other Island Generation:	200	MW	Monday, February 23, 2015		5	1	1,360	1,265
Current St. John's Temperature:	6	°C	Tuesday, February 24, 2015		-8	-9	1,630	1,530
Current St. John's Windchill:	N/A	°C	Wednesday, February 25, 2015		-8	-4	1,510	1,410
7-Day Island Peak Demand Forecast:	1,630	MW	Thursday, February 26, 2015		0	-2	1,420	1,325

#### Supply Notes For February 20, 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

Thu, Feb 19, 2015	Actual Island Peak Demand <sup>7</sup>	17:50	1,413 MW
Fri, Feb 20, 2015	Forecast Island Peak Demand		1,370 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).