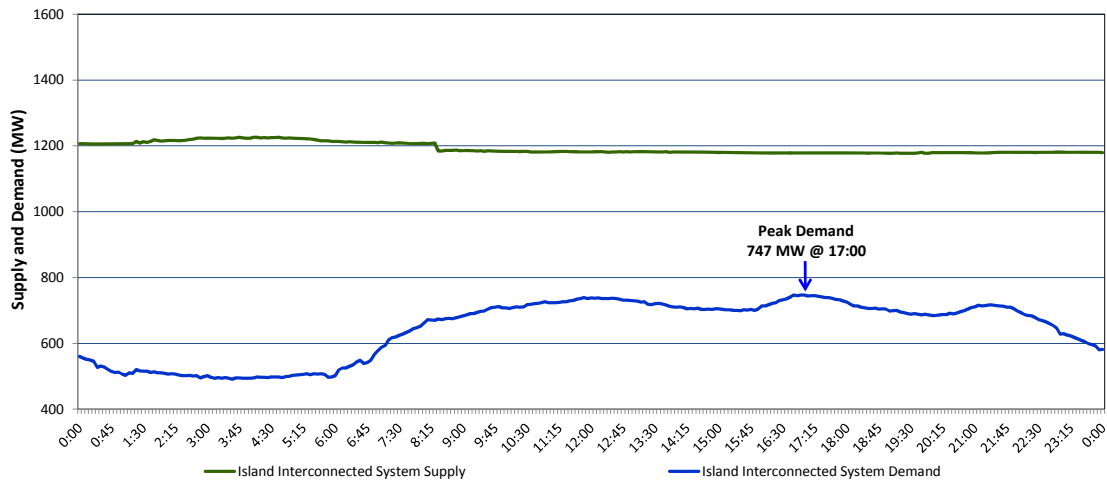


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Thursday, August 04, 2016

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Tuesday, August 02, 2016



#### Supply Notes For August 02, 2016

- A As of 1956 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.
- B As of 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).
- C As of 1029 hours, April 15, 2016, Holyrood Unit 3 unavailable (150 MW).
- D As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 3 unavailable (76.5 MW).
- E As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 4 unavailable (76.5 MW).
- F As of 1425 hours, June 16, 2016, Holyrood Unit 2 unavailable. Previously derated to 120 MW (170 MW).
- G As of 0833 hours, June 30, 2016, Bay d'Espoir Unit 7 unavailable (154.4 MW).
- H As of 0846 hours, July 12, 2016, St. Anthony Diesel Plant G6 (unit 544) unavailable (2 MW).
- I As of 1316 hours, July 15, 2016, Nalcor Exploits Grand Falls Unit 4 unavailable. Net impact to the Island Interconnected System is 7 MW.
- J As of 1610 hours, July 16, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).
- K As of 1125 hours, July 18, 2016, Hardwoods Turbine unavailable. Previously derated to 38 MW (50 MW).
- L **At 0825 hours, August 02, 2016, Stephenville Gas Turbine End B unavailable (25 MW).**

### Section 2 Island Interconnected Supply and Demand

Wed, Aug 03, 2016      Island System Outlook <sup>3</sup>		Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)
				Morning	Evening	
Available Island System Supply: <sup>5</sup>	1,190 MW	Wednesday, August 03, 2016		11	10	755
NLH Generation: <sup>4</sup>	915 MW	Thursday, August 04, 2016		11	13	770
NLH Power Purchases: <sup>6</sup>	90 MW	Friday, August 05, 2016		15	18	775
Other Island Generation:	185 MW	Saturday, August 06, 2016		19	20	750
Current St. John's Temperature:	9 °C	Sunday, August 07, 2016		18	18	755
Current St. John's Windchill:	N/A °C	Monday, August 08, 2016		17	16	820
7-Day Island Peak Demand Forecast:	820 MW	Tuesday, August 09, 2016		17	17	780

#### Supply Notes For August 03, 2016

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

### Section 3 Island Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak

Tue, Aug 02, 2016	Actual Island Peak Demand <sup>8</sup>	17:00	747 MW
Wed, Aug 03, 2016	Forecast Island Peak Demand		755 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).