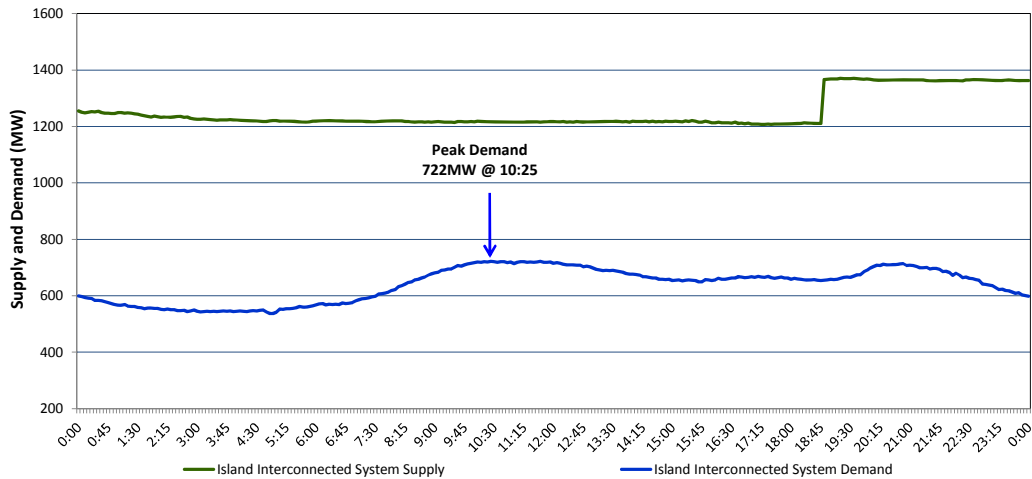


## Newfoundland Labrador Hydro (NLH)

### Supply and Demand Status Report Filed Tuesday, September 08, 2015

#### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Sunday, September 06, 2015



#### Supply Notes For September 06, 2015 <sup>1,2</sup>

- A As of 1440 hours, June 06, 2015, Holyrood Unit 2 removed from service for annual maintenance (170 MW).
- B As of 1450 hours, June 24, 2015, Hawke's Bay Unit 548 (G2) unavailable (2.5 MW).
- C As of 1602 hours, July 31, 2015, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 20 MW, End B 19 MW.
- D As of 0949 hours, August 01, 2015, Holyrood Unit 1 removed from service for annual maintenance (170 MW).
- E As of 1330 hours, August 19, 2015, Bay d'Espoir Unit 2 unavailable (76.5 MW).
- F As of 0955 hours, August 27, 2015, Holyrood Unit 3 derated to 70 MW (150 MW).
- G As of 1042 hours, August 31, 2015, Stephenville Gas Turbine unavailable. Previously derated to 30 MW (50 MW).
- H As of 0701 hours, September 02, 2015, Star Lake Unit derated to 12 MW (18 MW).
- I As of 1510 hours, September 02, 2015, Bay d'Espoir Unit 1 available. Derated to 45 MW (76.5 MW).
- J **At 1848 hours, September 06, 2015, Bay d'Espoir Unit 7 available (154.4 MW).**

#### Section 2 Island Interconnected Supply and Demand

Mon, Sep 07, 2015    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>	1,355	MW	Monday, September 07, 2015	13	18	780	
NLH Generation: <sup>4</sup>	1,100	MW	Tuesday, September 08, 2015	10	8	785	
NLH Power Purchases:	85	MW	Wednesday, September 09, 2015	9	13	755	
Other Island Generation:	170	MW	Thursday, September 10, 2015	13	20	765	
Current St. John's Temperature:	13	°C	Friday, September 11, 2015	19	20	765	
Current St. John's Windchill:	N/A	°C	Saturday, September 12, 2015	19	15	735	
7-Day Island Peak Demand Forecast:	785	MW	Sunday, September 13, 2015	13	13	740	

#### Supply Notes For September 07, 2015 <sup>3</sup>

- 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).

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

Sun, Sep 06, 2015	Actual Island Peak Demand <sup>7</sup>	10:25	722 MW
Mon, Sep 07, 2015	Forecast Island Peak Demand		780 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).