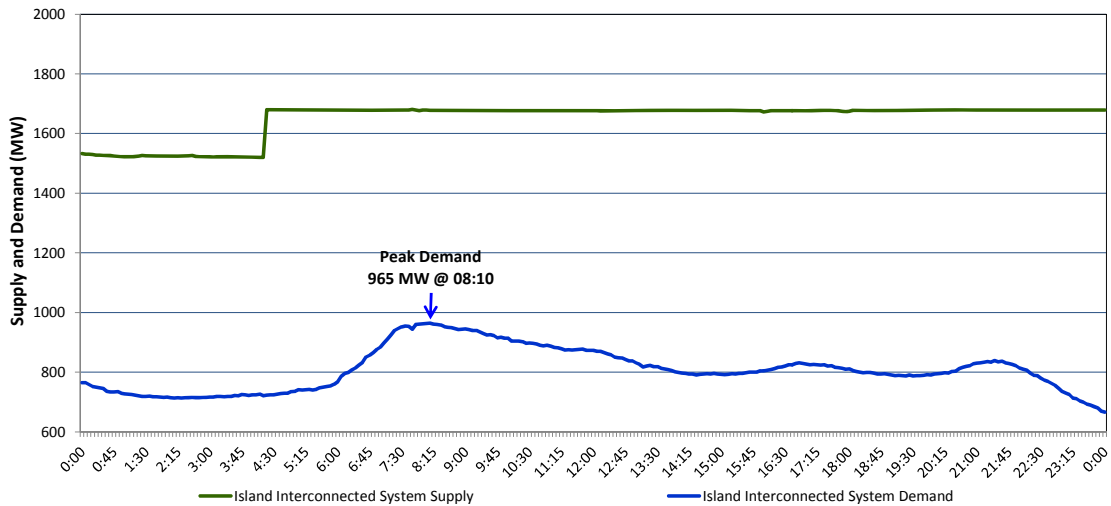


# Newfoundland Labrador Hydro (NLH)

## Supply and Demand Status Report Filed Wednesday, May 20, 2015

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Tuesday, May 19, 2015



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

- A As of 1823 hours, March 01, 2015, Hardwoods Gas Turbine End B unavailable (25 MW).
- B As of 1333 hours, April 10, 2015, Holyrood Unit 3 removed from service for annual maintenance (150 MW).
- C As of 0843 hours, April 26, 2015, Bay d'Espoir Unit 1 removed from service for annual maintenance (76.5 MW).
- D As of 1034 hours, May 1, 2015, Stephenville Gas Turbine unavailable (50 MW).
- E As of 1702 hours, May 1, 2015, Nalcor Exploits Bishop's Falls plant production near normal 11 MW (18 MW).
- F As of 1520 hours, May 10, 2015, Paradise River Unit removed from service for annual maintenance (8 MW).
- G At 0410 hours, May 19, 2015, Holyrood Unit 1 returned to service (170 MW).

### Section 2 Island Interconnected Supply and Demand

Wed, May 20, 2015 Island System Outlook <sup>3</sup>			Temperature (°C)		Island System Daily Peak Demand (MW)
Seven-Day Forecast			Morning	Evening	Forecast
Available Island System Supply: <sup>5</sup>	1,690	MW	11	12	850
NLH Generation: <sup>4</sup>	1,385	MW	10	8	905
NLH Power Purchases:	90	MW	10	9	860
Other Island Generation:	215	MW	12	9	855
Current St. John's Temperature:	11	°C	6	9	945
Current St. John's Windchill:	N/A	°C	7	11	950
7-Day Island Peak Demand Forecast:	950	MW	9	8	910

#### Supply Notes For May 20, 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

Tue, May 19, 2015	Actual Island Peak Demand <sup>7</sup>	08:10	965 MW
Wed, May 20, 2015	Forecast Island Peak Demand		850 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).