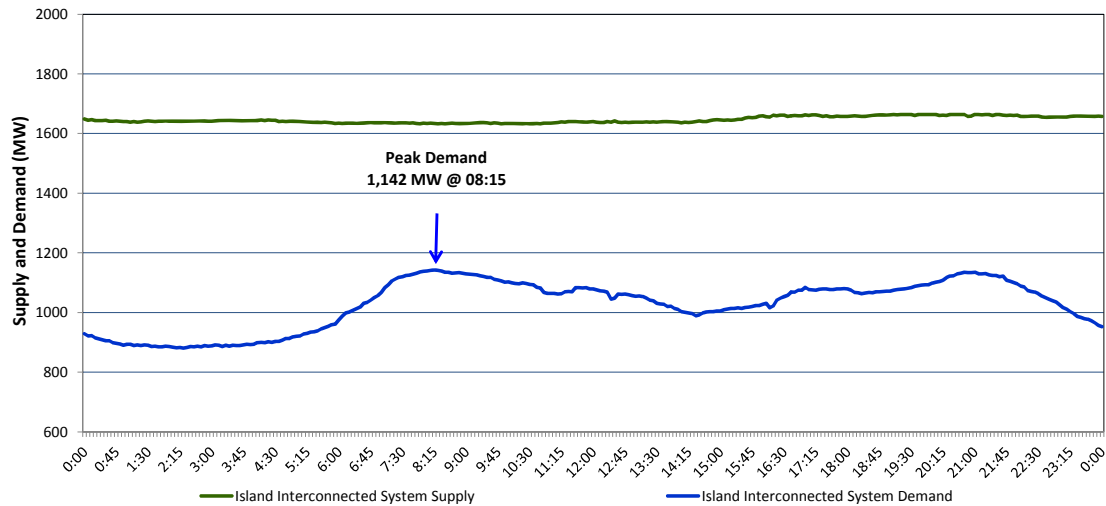


# Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, April 28, 2015

## Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Monday, April 27, 2015



### Supply Notes For April 27, 2015

- 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 1055 hours, April 13, 2015, Stephenville Gas Turbine removed from service (50 MW).
- D** As of 0843 hours, April 26, Bay d'Espoir Unit 1 removed from service for annual maintenance (76.5 MW).
- E** As of 0843 hours, April 26, Bay d'Espoir Unit 2 removed from service for maintenance (76.5 MW).
- F** At 1224 hours April 27, the Paradise River unit tripped offline (8 MW).
- G** At 1335 hours April 27, the Paradise River unit returned to service (8 MW).

## Section 2 Island Interconnected Supply and Demand

Tue, Apr 28, 2015    Island System Outlook <sup>3</sup>		Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
			Morning	Evening	
Available Island System Supply: <sup>5</sup>	1,645 MW	Tuesday, April 28, 2015	2	2	1,220
NLH Generation: <sup>4</sup>	1,315 MW	Wednesday, April 29, 2015	2	2	1,165
NLH Power Purchases:	120 MW	Thursday, April 30, 2015	3	3	1,160
Other Island Generation:	210 MW	Friday, May 01, 2015	3	4	1,160
Current St. John's Temperature:	1 °C	Saturday, May 02, 2015	3	4	1,005
Current St. John's Windchill:	n/a °C	Sunday, May 03, 2015	3	3	1,035
7-Day Island Peak Demand Forecast:	1,220 MW	Monday, May 04, 2015	3	3	1,115

### Supply Notes For April 28, 2015

- 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

Mon, Apr 27, 2015	Actual Island Peak Demand <sup>7</sup>	08:15	1,142 MW
Tue, Apr 28, 2015	Forecast Island Peak Demand		1,220 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).