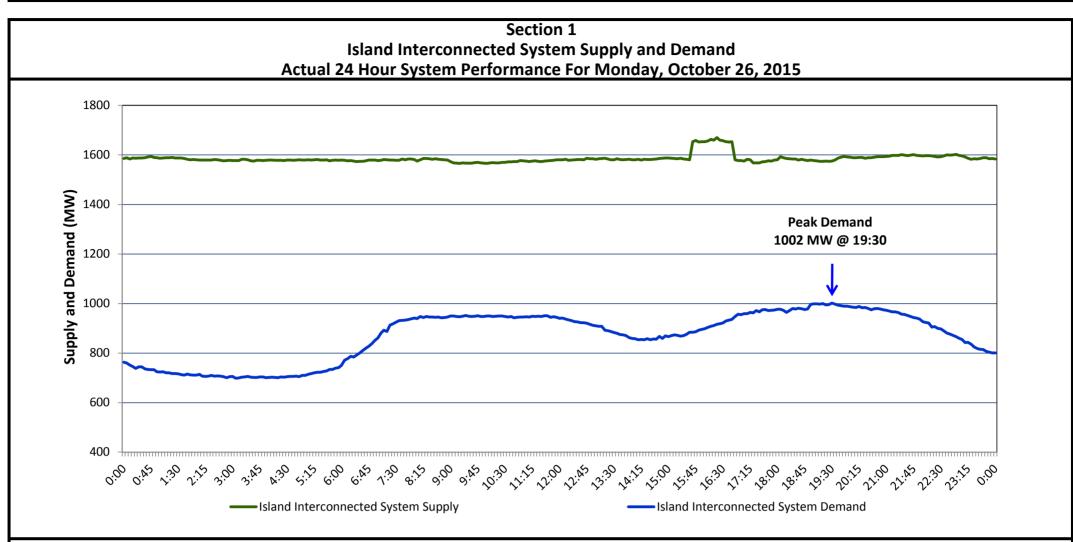
## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, October 27, 2015



## Supply Notes For October 26, 2015

- 1,2
- As of 0949 hours, August 01, 2015, Holyrood Unit 1 removed from service for annual maintenance (170 MW).
- As of 1042 hours, August 31, 2015, Stephenville Gas Turbine unavailable. Previously derated to 30 MW (50 MW).
  - As of 1605 hours, September 27, 2015, Bay d'Espoir Unit 4 unavailable (76.5 MW).
- As of 1827 hours, October 23, 2015, Hardwoods Gas Turbine derated to 38MW (50MW). End A 20MW, End B 19MW.
- At 1537 hours, October 26, 2015, Bay d'Espoir Unit 3 available (76.5 MW).
- At 1650 hours, October 26, 2015, Hinds Lake Unit unavailable (75 MW).
- At 1825 hours, October 26, 2015, Nalcor Exploits Grand Falls Units 5-8 unavailable. No net impact to the Island Interconnected System.

Section 2 Island Interconnected Supply and Demand								
Tue, Oct 27, 2015 Island System Outlook <sup>3</sup>		Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)			
				Morning	<b>Evening</b>	Forecast		
Available Island System Supply:5	1,605	MW	Tuesday, October 27, 2015	1	2	1,140		
NLH Generation: <sup>4</sup>	1,310	MW	Wednesday, October 28, 2015	0	0	1,205		
NLH Power Purchases:	85	MW	Thursday, October 29, 2015	1	4	1,150		
Other Island Generation:	210	MW	Friday, October 30, 2015	14	7	1,020		
Current St. John's Temperature:	0	°C	Saturday, October 31, 2015	4	4	1,065		
Current St. John's Windchill:	-6	$^{\circ}$ C	Sunday, November 01, 2015	4	4	1,125		
7-Day Island Peak Demand Fore	cast: <b>1,205</b>	MW	Monday, November 02, 2015	5	7	1,095		

## Supply Notes For October 27, 2015

- 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).

Section 3 Island Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak					
Mon, Oct 26, 2015	Actual Island Peak Demand <sup>7</sup>	19:30	1,002 MW		
Tue, Oct 27, 2015	Forecast Island Peak Demand		1,140 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).