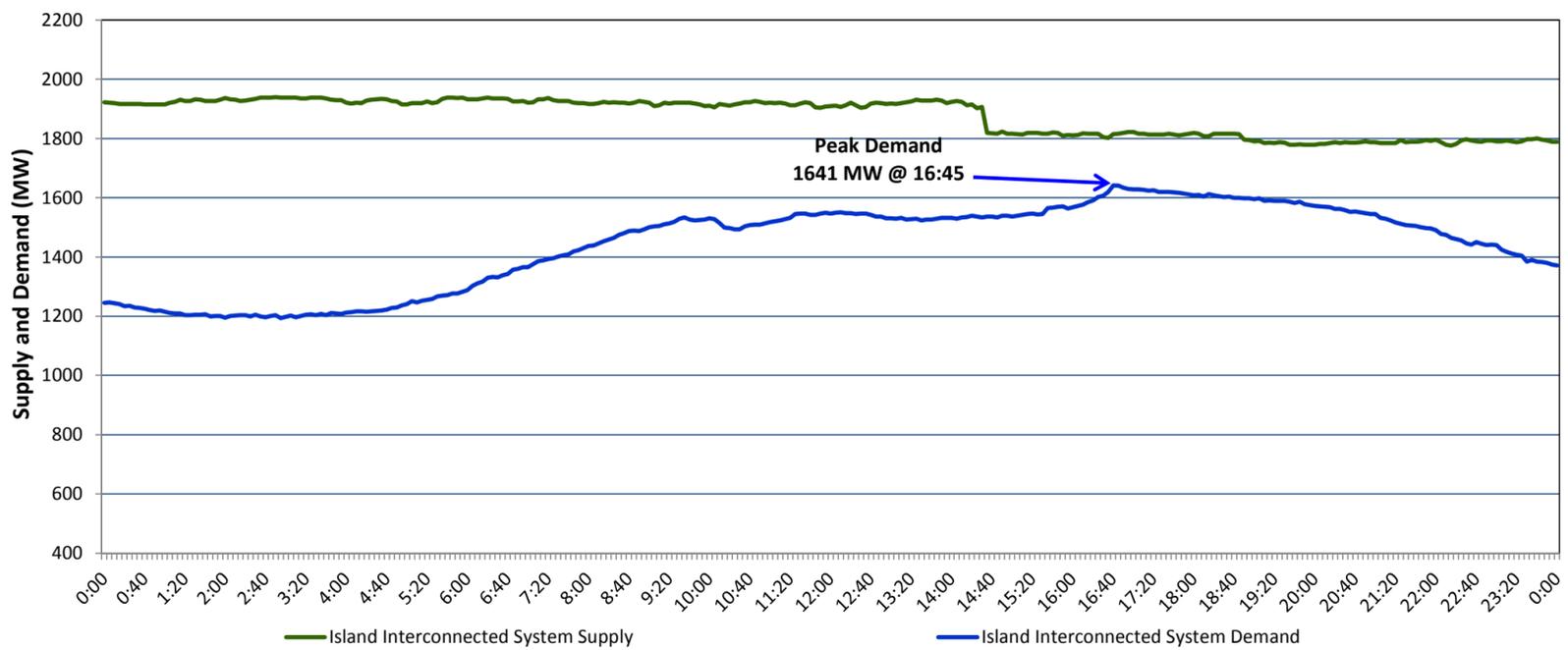


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Thursday, December 28, 2017**

**Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Wednesday, December 27, 2017**



**Supply Notes For December 27, 2017**

- 1,2
- A As of 1508 hours, December 04, 2017, Holyrood Unit 1 available at 150 MW (170 MW).  
 B As of 1610 hours, December 19, 2017, Holyrood Unit 2 available at 160 MW (170 MW).  
 C At 1423 hours, December 27, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).  
 D At 1435 hours, December 27, 2017, Upper Salmon Unit unavailable (84 MW).  
 E At 1546 hours, December 27, 2017, Holyrood Unit 3 available at 105 MW (150 MW).  
 F At 1847 hours, December 27, 2017, Stephenville Gas Turbine unavailable (50 MW).

**Section 2  
Island Interconnected Supply and Demand**

Thu, Dec 28, 2017	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>	1,785 MW	Thursday, December 28, 2017	-5	-3	1,535	1,426
NLH Generation: <sup>4</sup>	1,485 MW	Friday, December 29, 2017	-3	-4	1,545	1,436
NLH Power Purchases: <sup>6</sup>	110 MW	Saturday, December 30, 2017	-7	-2	1,470	1,362
Other Island Generation:	190 MW	Sunday, December 31, 2017	-4	-1	1,495	1,387
Current St. John's Temperature:	-6 °C	Monday, January 01, 2018	-3	-4	1,530	1,421
Current St. John's Windchill:	-18 °C	Tuesday, January 02, 2018	-5	-4	1,545	1,436
7-Day Island Peak Demand Forecast:	1,545 MW	Wednesday, January 03, 2018	-5	-4	1,510	1,401

**Supply Notes For December 28, 2017**

- 3
- 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, Wind Generation, Vale capacity assistance and Maritime Link Import (when applicable).
  7. Adjusted for CBP&P and Vale and Praxair interruptible load, the impact of voltage reduction and Maritime Link Exports (when applicable).

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

Wed, Dec 27, 2017	Actual Island Peak Demand <sup>8</sup>	16:45	1,641 MW
Thu, Dec 28, 2017	Forecast Island Peak Demand		1,535 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).