
The Operable Capacity Analysis for 2008 presently forecasts the lowest Long Term Operable Capacity Margin, LTOCM, of negative 1,310 MW for weeks beginning August 2nd, 9th, 16th, and 23rd. Positive capacity margins are being calculated for the remaining weeks of the year. However, it is possible that additional maintenance that may be added in upcoming editions of the 2008 AMS will reduce those margins.

Peak Load Exposures (PLE)

The Peak Load Exposures (PLE) for the winter and summer of 2008 are 23,030 MW and 27,970 MW respectively, and reflect the seasonal peak loads based on the 2008 CELT Report.

Generating Unit Capabilities

Generating unit capabilities are based upon the July 1, 2008 Seasonal Claimed Capabilities report and includes assets receiving credit as part of the Energy Management System (EMS). New unit additions are factored into the New Generation column at the appropriate points in time.

Miscellaneous Assumptions

The weekly Total Known Maintenance values include all generation scheduled out-of-service as reflected within this edition of the 2008 AMS.

Only known capacity-backed (ICAP) contracts have been included in the Interchange column of the

2008 Operable Capacity Analysis. This column combines monthly data, as it becomes available, with contract totals recorded in the 2008 CELT Report.

Allowances for unplanned outages, as documented in ISO New England OP-5, range from 2,100 MW during the summer months to 3,600 MW.

External Transmission

Known maintenance of Hydro-Quebec Phase II and Highgate has been included in the analysis.

Weekly Operating Reserve

The weekly operating reserve is equal to one hundred percent (100%) of the largest contingency plus one-half (50%) of the second-largest contingency.

Generation at Risk Due to Gas Supply Issues

A column has been included in the Operable Capacity Analysis to reflect natural gas-fired generating capability that may not be available around the time of the winter peak load due to the unavailability of gas.

If you have any questions or comments concerning this edition of the 2008 AMS or Operable Capacity Analysis, please feel free to contact me at (413) 535-4162 or by email at opamoreq@iso-ne.com.

ISO-NE 2008 OPERABLE CAPACITY ANALYSIS

July 3, 2008 - WITH KNOWN EXTERNAL CONTRACTS - 50/50 FORECAST

This analysis is a tabulation of weekly assessments shown in one single table. The information shows the operable capacity situation under assumed conditions for each week.
It is not expected that the system peak will occur every week during June, July, and August.

Week Beginning, Saturday															
Year	Month	Day	Installed Seasonal Claimed Capability (SCC) [Note 1] (MW)	Net Interchange (NYPP, NB, HQ, Highgate) [Note 2] (MW)	New Generation [Note 3] (MW)	De-listed ICAP resources [Note 4] (MW)	Net Capacity [Note 5] (MW)	Peak Load Exposure [Note 6] (MW)	Operating Reserve Requirement [Note 7] (MW)	Total Known Maintenance [Note 8] (MW)	Allowance for Unplanned Outages [Note 8] (MW)	Generation at Risk Due to Gas Supply [Note 9] (MW)	Total Capacity [Note 10] (MW)	Operable Capacity Margin (+/-) (MW)	Extent of OP 4 Actions That May be Necessary (OP 4 Actions up to and including) [Note 10]
2008	July	28	30,516	2,200	0	290	32,720	27,970	1,800	0	2,700	0	30,020	250	
2008	July	5	30,516	2,200	0	290	32,720	27,970	1,800	0	2,700	0	30,020	250	
		12	30,516	2,200	0	290	32,720	27,970	1,800	0	2,100	0	30,620	850	
		19	30,516	2,200	0	290	32,720	27,970	1,800	0	2,100	0	30,620	850	
		26	30,516	2,200	0	290	32,720	27,970	1,800	0	2,100	0	30,620	850	
2008	August	2	30,501	58	0	290	30,558	27,970	1,800	0	2,100	0	28,458	(1,310)	Action 11
		9	30,501	58	0	290	30,558	27,970	1,800	0	2,100	0	28,458	(1,310)	Action 11
		16	30,501	58	0	290	30,558	27,970	1,800	0	2,100	0	28,458	(1,310)	Action 11
		23	30,501	58	0	290	30,558	27,970	1,800	0	2,100	0	28,458	(1,310)	Action 11
		30	30,496	58	100	290	30,658	25,721	1,800	100	2,100	0	28,458	940	
2008	September	6	30,496	58	100	290	30,658	24,331	1,800	900	2,100	0	27,658	1,530	
		13	30,496	58	100	290	30,658	23,962	1,800	1,800	2,100	0	26,758	1,000	
		20	30,496	58	100	290	30,658	23,870	1,800	2,000	2,100	0	26,558	890	
		27	30,496	58	100	290	30,658	18,108	1,800	3,400	2,800	0	24,458	4,550	
2008	October	4	32,083	58	100	290	32,238	18,145	1,800	4,100	2,800	0	25,338	5,390	
		11	32,083	58	100	290	32,238	19,103	1,800	4,800	2,800	0	24,638	3,740	
		18	32,083	58	100	290	32,238	19,481	1,800	6,700	2,800	0	22,738	1,460	
		25	32,083	58	100	290	32,238	19,695	1,800	5,800	2,800	0	23,638	2,140	
2008	November	1	32,113	58	100	290	32,268	19,815	1,800	5,700	3,600	0	22,968	1,350	
		8	32,113	58	100	290	32,268	20,172	1,800	5,500	3,600	0	23,168	1,200	
		15	32,113	58	100	290	32,268	20,937	1,800	2,500	3,600	0	26,168	3,430	
		22	32,113	58	100	290	32,268	21,683	1,800	2,400	3,600	0	26,268	2,790	
		29	32,110	58	100	290	32,268	21,890	1,800	3,200	3,200	0	25,868	2,180	
2008	December	6	32,110	58	100	290	32,268	22,189	1,800	1,700	3,200	0	27,368	3,380	
		13	32,110	58	100	290	32,268	22,201	1,800	500	3,200	0	28,568	4,570	
		20	32,110	58	100	290	32,268	22,265	1,800	100	3,200	0	28,968	4,900	

Notes: Please note that the information contained within the Capacity Analysis is a deterministic projection of system conditions which could materialize during any given week of the year

- Installed Capacity per the July 1, 2008 SCC report. Energy Management System units, with an adjustment for capability increases and decreases expected during the analysis period (SCC = Seasonal Claimed Capability). The Operable Capacity does not reflect possible transmission constraints within the ISO New England system.
- Net Interchange is based on known capacity-backed (ICAP) contracts. This column combines monthly data, as it becomes available, with contract totals recorded in the 2008 Capacity, Energy, Loads, and Transmission - CELT Report.
- New Generation information includes a) generation recently commercial but not yet reflected in the ISO New England SCC Report totals used in the Installed Capacity Column, and b) future generation as assumed by ISO-NE System Planning Department. This value is rounded to the nearest hundred.
- Delisted capacity is only known for the current month. Projections are based on known delisted capacity sales.
- Net Capacity = (SCC) + (Interchange) + (New Generation) - (Delisted ICAP Sold) In this equation, values for SCC, Interchange and Delisted ICAP sold are rounded to the nearest ten (SCC = Seasonal Claimed Capability).
- Peak Load Exposure per data to be included in the 2008 CELT Report.
- Operating Reserve Requirement based on first largest contingency plus 1/2 the second largest contingency.
- Allowance for Unplanned Outages includes forced outages and maintenance outages scheduled less than 14 days in advance.
- Generation at Risk due to Gas Supply reflects dual fuel conversions scheduled to be complete prior to the upcoming winter.
- Relief from certain OP 4 Actions varies depending on system conditions.

New England Operable Capacity Margins
WITH KNOWN EXTERNAL TRANSACTIONS - 50/50 FORECAST

