



Joanne Bialas
Outage Coordination

To: NEPOOL Participants

From: Joanne Bialas

Subject: 2008 Annual Maintenance Schedule – Draft #2

Date: August 15, 2007

Following this transmittal letter, you will find the 2008 Annual Maintenance Schedule (AMS) – Draft #2 dated August 15, 2007, with rounded weekly planned outage totals only, and an Operable Capacity Analysis (with forecasted external transactions) for 2008. Periodically, individual Participants will receive a copy of the AMS that depicts only the maintenance requests that they submitted to ISO New England. Participants that own entitlements in units must contact the Lead Participant to obtain the maintenance schedule for each unit.

2008 AMS – DRAFT #2 - DATED AUGUST 15, 2007

Draft #2 of the 2008 AMS - dated August 15, 2007 reflects all planned maintenance requests for 2008 that have been submitted to the ISO through August 14, 2007. Those generator owners who have not yet submitted their anticipated maintenance schedules for 2008 are encouraged to do so.

2008 OPERABLE CAPACITY ANALYSIS

The Operable Capacity Analysis for 2008 presently forecasts the lowest Long Term Operable Capacity Margin, LTOCM, of negative 1,820 MW for weeks beginning May 31st, June 7th, 14th, and 21st. Negative capacity margins are also being forecasted for all remaining weeks in June, July and August, with positive capacity margins 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 23,070 MW and 27,885 MW respectively, and reflect the seasonal peak loads based on the 2007 CELT Report.

Generating Unit Capabilities

Generating unit capabilities are based upon the August 1, 2007 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 draft 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 2007 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

No maintenance of Hydro-Quebec Phase II or 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

August 15, 2007 - 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 Capacity (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)	Operable Capacity Margin (+/-) (MW)	Extent of OP 4 Actions That May be Necessary (OP 4 Actions up to and including) [Note 10]
2008	December	29	32,942	58	100	290	33,098	22,588	1,800	1,200	2,800	0	29,098	4,710	4,710	
	January	5	32,942	58	100	290	33,098	23,070	1,800	1,200	2,800	3,900	25,198	328	330	
		12	32,942	58	100	290	33,098	23,070	1,800	1,200	2,800	3,900	25,198	328	330	
		19	32,942	58	100	290	33,098	23,070	1,800	1,200	2,800	3,900	25,198	328	330	
		26	32,942	58	100	290	33,098	22,839	1,800	1,200	2,800	3,900	25,198	559	560	
2008	February	2	32,944	58	100	290	33,098	22,562	1,800	1,200	3,100	3,900	24,898	536	540	
		9	32,944	58	100	290	33,098	22,532	1,800	1,200	3,100	3,900	24,898	566	570	
		16	32,944	58	100	290	33,098	22,260	1,800	1,700	3,100	3,900	24,398	338	340	
		23	32,944	58	100	290	33,098	21,236	1,800	400	3,100	0	29,598	6,562	6,560	
2008	March	1	32,967	58	100	290	33,128	20,874	1,800	2,000	2,200	0	28,928	6,254	6,250	
		8	32,967	58	100	290	33,128	20,671	1,800	2,000	2,200	0	28,928	6,457	6,460	
		15	32,967	58	100	290	33,128	20,292	1,800	2,500	2,200	0	28,428	6,336	6,340	
		22	32,967	58	100	290	33,128	19,706	1,800	2,100	2,200	0	28,828	7,322	7,320	
		29	32,968	58	100	290	33,128	19,194	1,800	3,200	2,700	0	27,228	6,234	6,230	
2008	April	5	32,968	58	100	290	33,128	18,934	1,800	4,300	2,700	0	26,128	5,394	5,390	
		12	32,968	58	100	290	33,128	18,405	1,800	5,200	2,700	0	25,228	5,023	5,020	
		19	32,968	58	100	290	33,128	18,131	1,800	5,300	2,700	0	25,128	5,197	5,200	
		26	32,968	58	100	290	33,128	18,103	1,800	5,000	2,700	0	25,428	5,525	5,530	
2008	May	3	32,968	58	100	290	33,128	21,067	1,800	5,700	3,400	0	24,028	1,161	1,160	
		10	32,968	58	100	290	33,128	22,046	1,800	4,400	3,400	0	25,328	1,482	1,480	
		17	32,968	58	100	290	33,128	22,955	1,800	3,200	3,400	0	26,528	1,773	1,770	
		24	32,968	58	100	290	33,128	23,953	1,800	1,300	3,400	0	28,428	2,675	2,680	
2008	June	31	30,411	58	200	290	30,668	27,885	1,800	0	2,800	0	27,868	(1,817)	(1,820)	Action 11
		7	30,411	58	200	290	30,668	27,885	1,800	0	2,800	0	27,868	(1,817)	(1,820)	Action 11
		14	30,411	58	200	290	30,668	27,885	1,800	0	2,800	0	27,868	(1,817)	(1,820)	Action 11
		21	30,411	58	200	290	30,668	27,885	1,800	0	2,800	0	27,868	(1,817)	(1,820)	Action 11
		28	30,365	58	200	290	30,618	27,885	1,800	0	2,100	0	28,518	(1,167)	(1,170)	Action 11
2008	July	5	30,365	58	200	290	30,618	27,885	1,800	0	2,100	0	28,518	(1,167)	(1,170)	Action 11
		12	30,365	58	200	290	30,618	27,885	1,800	0	2,100	0	28,518	(1,167)	(1,170)	Action 11
		19	30,365	58	200	290	30,618	27,885	1,800	0	2,100	0	28,518	(1,167)	(1,170)	Action 11
		26	30,365	58	200	290	30,618	27,885	1,800	0	2,100	0	28,518	(1,167)	(1,170)	Action 11
2008	August	2	30,350	58	200	290	30,608	27,885	1,800	0	2,100	0	28,508	(1,177)	(1,180)	Action 11
		9	30,350	58	200	290	30,608	27,885	1,800	0	2,100	0	28,508	(1,177)	(1,180)	Action 11
		16	30,350	58	200	290	30,608	27,885	1,800	0	2,100	0	28,508	(1,177)	(1,180)	Action 11
		23	30,350	58	200	290	30,608	27,885	1,800	0	2,100	0	28,508	(1,177)	(1,180)	Action 11
		30	30,345	58	200	290	30,598	25,643	1,800	0	2,100	0	28,498	1,055	1,060	
2008	September	6	30,345	58	200	290	30,598	24,257	1,800	300	2,100	0	28,198	2,141	2,140	
		13	30,345	58	200	290	30,598	23,889	1,800	600	2,100	0	27,898	2,209	2,210	
		20	30,345	58	200	290	30,598	23,797	1,800	900	2,100	0	27,598	2,001	2,000	
		27	32,929	58	200	290	33,188	18,380	1,800	1,200	2,800	0	29,188	9,008	9,010	
2008	October	4	32,929	58	200	290	33,188	18,417	1,800	4,300	2,800	0	26,088	5,871	5,870	
		11	32,929	58	200	290	33,188	19,390	1,800	4,400	2,800	0	25,988	4,798	4,800	
		18	32,929	58	200	290	33,188	19,773	1,800	4,000	2,800	0	26,388	4,815	4,820	
		25	32,929	58	200	290	33,188	19,990	1,800	3,400	2,800	0	26,988	5,198	5,200	
2008	November	1	32,958	58	200	290	33,218	20,112	1,800	1,900	3,600	0	27,718	5,806	5,810	
		8	32,958	58	200	290	33,218	20,474	1,800	1,700	3,600	0	27,918	5,644	5,640	
		15	32,958	58	200	290	33,218	21,250	1,800	200	3,600	0	29,418	6,368	6,370	
		22	32,958	58	200	290	33,218	22,008	1,800	200	3,600	0	29,418	5,610	5,610	
		29	32,956	58	200	290	33,218	22,218	1,800	1,000	3,200	0	29,018	5,000	5,000	
2008	December	6	32,956	58	200	290	33,218	22,522	1,800	0	3,200	0	30,018	5,696	5,700	
		13	32,956	58	200	290	33,218	22,534	1,800	0	3,200	0	30,018	5,684	5,680	
		20	32,956	58	200	290	33,218	22,599	1,800	0	3,200	0	30,018	5,619	5,620	
		27	32,956	58	200	290	33,218	22,599	1,800	0	3,200	0	30,018	5,619	5,620	

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 August 1, 2007 SCC report, Energy Management System units, with an adjustment for capacity increases and decreases expected during the analysis period (SCC = Seasonal Claimed Capacity). 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 2007 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 Capacity)
- Peak Load Exposure per data included in the April 2007 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

