



Joanne Bialas
Outage Coordination

To: NEPOOL Participants

From: Joanne Bialas

Subject: 2009 Annual Maintenance Schedule – Draft #3

Date: October 16, 2008

Following this transmittal letter, you will find the 2009 Annual Maintenance Schedule (AMS) – Draft #3 dated October 16, 2008, with rounded weekly planned outage totals only, and an Operable Capacity Analysis (with forecasted external transactions) for 2009. 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.

2009 AMS – DRAFT #3 - DATED OCTOBER 16, 2008

Draft #3 of the 2009 AMS - dated October 16, 2008 reflects all planned maintenance requests for 2009 that have been submitted to the ISO through October 13, 2008. Those generator owners who have not yet submitted their anticipated maintenance schedules for 2009 are encouraged to do so.

2009 OPERABLE CAPACITY ANALYSIS

The Operable Capacity Analysis for 2009 presently forecasts the lowest Long Term Operable Capacity Margin, LTOCM, of negative 1,910 MW for weeks beginning May 30th, June 6th, 13th, and 20st. 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 2009 AMS will reduce those margins.

Peak Load Exposures (PLE)

The Peak Load Exposures (PLE) for the winter and summer of 2009 are 23,030 MW and 28,480 MW respectively, and reflect the seasonal peak loads based on the 2008 CELT Report.

Generating Unit Capabilities

Generating unit capabilities are based upon the October 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 draft of the 2009 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

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 2009 OPERABLE CAPACITY ANALYSIS

October 15, 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 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 9] (MW)	Generation at Risk Due to Gas Supply [Note 10] (MW)	Total Capacity [Note 11] (MW)	Operable Capacity Margin (+/-) [Note 12]	Extent of OP 4 Actions That May be Necessary (OP 4 Actions up to and including) [Note 13]
2008	December	27	32,758	48	300	290	33,108	22,549	1,800	300	2,000	0	30,808	6,460	
2009	January	3	32,758	48	300	290	33,108	23,030	1,800	300	2,800	0	30,008	5,180	
		10	32,758	48	300	290	33,108	23,030	1,800	400	2,800	3,900	26,008	1,180	
		17	32,758	48	300	290	33,108	23,030	1,800	400	2,800	3,900	26,008	1,180	
		24	32,758	48	300	290	33,108	22,800	1,800	0	2,800	3,900	26,408	1,810	
		31	32,758	48	300	290	33,108	22,523	1,800	200	2,800	3,900	26,208	1,890	
2009	February	7	32,761	48	300	290	33,108	22,493	1,800	200	3,100	3,900	25,908	1,620	
		14	32,761	48	300	290	33,108	22,222	1,800	200	3,100	3,900	25,908	1,890	
		21	32,761	48	300	290	33,108	21,199	1,800	200	3,100	3,900	25,908	2,910	
		28	32,761	48	300	290	33,108	20,838	1,800	1,300	3,100	0	28,708	6,070	
2009	March	7	32,784	48	300	290	33,128	20,635	1,800	1,400	2,200	0	29,528	7,090	
		14	32,784	48	300	290	33,128	20,257	1,800	1,100	2,200	0	29,828	7,770	
		21	32,784	48	300	290	33,128	19,672	1,800	1,200	2,200	0	29,728	8,260	
		28	32,784	48	300	290	33,128	19,161	1,800	1,500	2,200	0	29,428	8,470	
2009	April	4	32,785	48	400	290	33,238	18,901	1,800	2,100	2,700	0	28,438	7,740	
		11	32,785	48	400	290	33,238	18,373	1,800	2,600	2,700	0	27,938	7,770	
		18	32,785	48	400	290	33,238	18,099	1,800	2,800	2,700	0	27,738	7,840	
		25	32,785	48	400	290	33,238	18,072	1,800	3,600	2,700	0	26,938	7,070	
2009	May	2	32,785	48	400	290	33,238	21,517	1,800	3,300	3,400	0	26,538	3,220	
		9	32,785	48	400	290	33,238	22,516	1,800	2,100	3,400	0	27,738	3,420	
		16	32,785	48	400	290	33,238	23,445	1,800	1,600	3,400	0	28,238	2,990	
		23	32,785	48	400	290	33,238	24,464	1,800	700	3,400	0	29,138	2,870	
		30	30,721	48	400	290	31,168	28,480	1,800	0	2,800	0	28,368	(1,910)	Action 11
2009	June	6	30,721	48	400	290	31,168	28,480	1,800	0	2,800	0	28,368	(1,910)	Action 11
		13	30,721	48	400	290	31,168	28,480	1,800	0	2,800	0	28,368	(1,910)	Action 11
		20	30,721	48	400	290	31,168	28,480	1,800	0	2,800	0	28,368	(1,910)	Action 11
		27	30,675	48	400	290	31,118	28,480	1,800	0	2,100	0	29,018	(1,260)	Action 9
2009	July	4	30,675	48	500	290	31,218	28,480	1,800	0	2,100	0	29,118	(1,160)	Action 9
		11	30,675	48	500	290	31,218	28,480	1,800	0	2,100	0	29,118	(1,160)	Action 9
		18	30,675	48	500	290	31,218	28,480	1,800	0	2,100	0	29,118	(1,160)	Action 9
		25	30,675	48	500	290	31,218	28,480	1,800	0	2,100	0	29,118	(1,160)	Action 9
2009	August	1	30,675	48	500	290	31,218	28,480	1,800	0	2,100	0	29,118	(1,160)	Action 9
		8	30,660	48	500	290	31,208	28,480	1,800	0	2,100	0	29,108	(1,170)	Action 9
		15	30,660	48	500	290	31,208	28,480	1,800	0	2,100	0	29,108	(1,170)	Action 9
		22	30,660	48	500	290	31,208	28,480	1,800	0	2,100	0	29,108	(1,170)	Action 9
		29	30,660	48	500	290	31,208	26,190	1,800	100	2,100	0	29,008	1,020	
2009	September	5	30,656	48	500	290	31,208	24,775	1,800	200	2,100	0	28,908	2,330	
		12	30,656	48	500	290	31,208	24,399	1,800	1,100	2,100	0	28,008	1,810	
		19	30,656	48	500	290	31,208	24,305	1,800	1,700	2,100	0	27,408	1,300	
		26	30,656	48	500	290	31,208	18,337	1,800	3,100	2,100	0	26,008	5,870	
2009	October	3	30,656	48	500	290	31,208	18,374	1,800	4,000	2,800	0	24,408	4,230	
		10	32,827	48	500	290	33,378	19,344	1,800	4,200	2,800	0	26,378	5,230	
		17	32,827	48	500	290	33,378	19,726	1,800	4,400	2,800	0	26,178	4,650	
		24	32,827	48	500	290	33,378	19,943	1,800	3,500	2,800	0	27,078	5,340	
		31	32,827	48	500	290	33,378	20,065	1,800	3,000	3,600	0	26,778	4,910	
2009	November	7	32,856	48	500	290	33,408	20,426	1,800	3,100	3,600	0	26,708	4,480	
		14	32,856	48	500	290	33,408	21,200	1,800	800	3,600	0	29,008	6,010	
		21	32,856	48	500	290	33,408	21,956	1,800	800	3,600	0	29,008	5,250	
		28	32,856	48	500	290	33,408	22,166	1,800	0	3,600	0	29,808	5,840	
2009	December	5	32,854	48	500	290	33,398	22,469	1,800	0	3,200	0	30,198	5,930	
		12	32,854	48	500	290	33,398	22,480	1,800	0	3,200	0	30,198	5,920	
		19	32,854	48	500	290	33,398	22,546	1,800	0	3,200	0	30,198	5,850	
		26	32,854	48	500	290	33,398	22,265	1,800	0	3,200	0	30,198	6,130	

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

1. Installed Capacity per the October 1, 2008 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.
2. 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.
3. 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.
4. Delisted capacity is only known for the current month. Projections are based on known delisted capacity sales.
5. 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).
6. Peak Load Exposure per data to be included in the 2008 CELT Report.
7. Operating Reserve Requirement based on first largest contingency plus 1/2 the second largest contingency.
8. Allowance for Unplanned Outages includes forced outages and maintenance outages scheduled less than 14 days in advance.
9. Generation at Risk due to Gas Supply reflects dual fuel conversions scheduled to be complete prior to the upcoming winter.
10. Relief from certain OP 4 Actions varies depending on system conditions.

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

