

Joanne Bialas

Outage Coordination

To: NEPOOL Participants

From: Joanne Bialas

Subject: 2010-11 Annual Maintenance Schedule – August Edition

Date: July 30, 2010

Following this transmittal letter, you will find the 2010-11 Annual Maintenance Schedule (AMS) – August Edition dated July 30, 2010, with rounded weekly planned outage totals only, and an Operable Capacity Analysis for August 2010 through May 2011. This schedule covers the remainder of the first Forward Capacity Market procurement period. 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.

2010-11 AMS – AUGUST EDITION - DATED JULY 30, 2010

August Edition of the 2010-11 AMS - dated July 30, 2010 reflects all planned maintenance requests for August 2010- May 2011 that have been submitted to the ISO through July 28, 2010. Those generator owners who have not yet submitted their anticipated maintenance schedules for the AMS covering the Procurement Period 2010-11 are encouraged to do so.

2010-11 OPERABLE CAPACITY ANALYSIS

The Operable Capacity Analysis for August 2010 through May 2011 presently forecasts the lowest Long Term Operable Capacity Margin, LTOCM, of negative 1,680 MW for week beginning September 11th. However, it is possible that additional maintenance that may be added in upcoming editions of the 2010-11 AMS will reduce those margins.

Peak Load Exposures (PLE)

After being adjusted for Other Demand Resources, ODR, the Peak Load Exposure (PLE) for the summer and winter of 2010-11 procurement period is 26,618 MW and 21,526 MW respectively, and reflects the seasonal peak load based on the 2010 CELT Report.

Generating Unit Capabilities

Resource Capacity Supply Obligations, CSO, are based upon data as of July 28, 2010 and includes Energy Management System (EMS) assets. 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 2010-11 AMS.

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Unplanned Outage Allotment

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 2009 AMS or Operable Capacity Analysis, please feel free to contact me at (413) 535-4162 or by email at opamoreq@iso-ne.com.

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ISO-NE 2010 OPERABLE CAPACITY ANALYSIS

July 30, 2010 - 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.

	This analysis is a tabulation of weekly assessments shown in one single table. The information shows the operable capacity situation															
-	OPCAP SUPPLY							LOAD OBLIGATIONS			OPCAP MARGINS OPCAP					
															MARGIN w/	
													OPCAP		OP4	
		=======				GEN RISK			OPER			OPCAP FROM	MARGIN w/	OPCAP FROM		
	AVAILABLE	EXTERNAL NODE AVAIL	NON COMMERCIAL	KNOWN	UNPLANNED	DUE TO GAS SUP	NET OPCAP	PEAK LOAD FORECAST	RESERVE REQUIREME	NET LOAD OBLIGATION	OPCAP MARGIN	OP4 ACTIVE REAL-TIME DR	OP4 actions through OP4	OP4 REAL- TIME EMER.	through OP4 Step 6	
STUDY WEEK (Week Beginning,	OPCAP MW	OPCAP MW	CAPACITY MW	OUTAGES	OUTAGES MW	MW	SUPPLY MW	MW	NT MW	MW	MW	MW MW	Step 2 MW	GEN MW	MW	
Saturday)	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	
07/31/2010	30,046	323	0	1,100	2,100	0	27,123	26,618	1,800	28,418	(1,290)	520	(770)	640	(130)	
08/07/2010	30,046	323	0	1,100	2,100	0	27,123	26,618	1,800	28,418	(1,290)	520	(770)	640	(130)	
08/14/2010	30,046	323	0	1,100	2,100	0	27,123	26,618	1,800	28,418	(1,290)	520	(770)	640	(130)	
08/21/2010	30,046	323	0	1,100	2,100	0	27,123	26,618	1,800	28,418	(1,290)	520	(770)	640	(130)	
08/28/2010	30,046	323	0	1,100	2,100	0	27,123	26,618	1,800	28,418	(1,290)	520	(770)	640	(130)	
09/04/2010	30,042	342	0	1,400	2,100	0	26,842	26,618	1,800	28,418	(1,580)	520	(1,060)	640	(420)	
09/11/2010	30,042	342	0	1,500	2,100	0	26,742	26,618	1,800	28,418	(1,680)	520	(1,160)	640	(520)	
09/18/2010	30,042	342	0	3,800	2,100	0	24,442	22,722	1,800	24,522	(80)	520	440	640	1,080	
09/25/2010	30,196	300	0	4,200	2,800	0	23,500	22,632	1,800	24,432	(930)	520	(410)	640	230	
10/02/2010	30,196	300	0	5,000	2,800	0	22,700	16,793	1,800	18,593	4,110	520	4,630	640	5,270	
10/09/2010	30,196	300	0	4,100	2,800	0	23,600	16,829	1,800	18,629	4,970	520	5,490	640	6,130	
10/16/2010	30,196	300	0	4,600	2,800	0	23,100	17,748	1,800	19,548	3,550	520	4,070	640	4,710	
10/23/2010	30,196	300	0	4,400	2,800	0	23,300	18,110	1,800	19,910	3,390	520	3,910	640	400	
10/30/2010	30,196	300	0	3,400	3,600	0	23,500	18,315	1,800	20,115	3,380	520	3,900	640	400	
11/06/2010	30,196	300	0	3,600	3,600	0	23,300	18,430	1,800	20,230	3,070	520	3,590	640	400	
11/13/2010	30,196	300	0	3,300	3,600	0	23,600	18,772	1,800	20,572	3,030	520	3,550	640	400	
11/20/2010	30,196	300	0	3,000	3,600	0	23,900	17,555	1,800	19,355	4,540	520	5,060	640	400	
11/27/2010	30,196	300	0	700	3,600	0	26,200	20,234	1,800	22,034	4,170	520	4,690	640	400	
12/04/2010	30,394	300	0	900	3,200	0	26,600	20,433	1,800	22,233	4,370	520	4,890	640	400	
12/11/2010	30,394	300	0	600	3,200	0	26,900	20,720	1,800	22,520	4,380	520	4,900	640	400	
12/18/2010	30,394	300	0	600	3,200	0	26,900	20,731	1,800	22,531	4,370	520	4,890	640	400	
12/25/2010	30,394	300	0	600	3,200	0	26,900	20,793	1,800	22,593	4,310	520	4,830	640	400	
01/01/2011	30,394	300	0	600	2,800	0	27,300	21,064	1,800	22,864	4,440	520	4,960	640	400	
01/08/2011	30,394	300	0	600	2,800	2,000	25,300	21,526	1,800	23,326	1,970	520	2,490	640	400	
01/15/2011	30,394	300	0	300	2,800	2,000	25,600	21,526	1,800	23,326	2,270	520	2,790	640	400	
01/22/2011	30,394	300	0	300	2,800	2,000	25,600	21,526	1,800	23,326	2,270	520	2,790	640	400	
01/29/2011	30,394	300	0	500	3,100	2,000	25,100	21,305	1,800	23,105	1,990	520	2,510	640	400	
02/05/2011	30,394	300	0	900	3,100	2,000	24,700	21,040	1,800	22,840	1,860	520	2,380	640	400	
02/12/2011	30,394	300	0	1,400	3,100	2,000	24,200	21,011	1,800	22,811	1,390	520	1,910	640	400	
02/19/2011	30,394	300	0	1,600	3,100	2,000	24,000	20,751	1,800	22,551	1,450	520	1,970	640	400	
02/26/2011	30,394	300	0	1,900	3,100	0	25,700	19,770	1,800	21,570	4,130	520	4,650	640	400	
03/05/2011	30,394	300	0	2,300	2,200	0	26,200	19,424	1,800	21,224	4,980	520	5,500	640	400	
03/12/2011	30,394	300	0	2,100	2,200	0	26,400	19,229	1,800	21,029	5,370	520	5,890	640	400	
03/19/2011	30,394	300	0	1,700	2,200	0	26,800	18,867	1,800	20,667	6,130	520	6,650	640	400	
03/26/2011	30,196	300	0	3,100	2,700	0	24,700	18,306	1,800	20,106	4,590	520	5,110	640	400	
04/02/2011	30,196	300	0	4,000	2,700	0	23,800	17,803	1,800	19,603	4,200	520	4,720	640	400	
04/09/2011	30,196	300	0	4,100	2,700	0	23,700	17,553	1,800	19,353	4,350	520	4,870	640	400	
04/16/2011	30,196	300	0	4,400	2,700	0	23,400	17,047	1,800	18,847	4,550	520	5,070	640	400	
04/23/2011	30,196	300	0	3,800	2,700	0	24,000	16,785	1,800	18,585	5,410	520	5,930	640	400	
04/30/2011	30,196	300	0	3,600	3,400	0	23,500	16,758	1,800	18,558	4,940	520	5,460	640	400	
05/07/2011	30,196	300	0	3,800	3,400	0	23,300	20,325	1,800	22,125	1,170	520	1,690	640	400	
05/14/2011	30,196	300	0	1,600	3,400	0	25,500	21,296	1,800	23,096	2,400	520	2,920	640	400	
05/21/2011	30,196	300	0	400	3,400	0	26,700	22,198	1,800	23,998	2,700	520	3,220	640	400	
05/28/2011	30,196	300	0	0	3,400	0	27,100	22,976	1,800	24,776	2,320	520	2,840	640	400	

^{1.} Available OPCAP MW based on resource Capacity Supply Obligations, CSO, during the Forward Capacity Market procurement period from June 2010 through May 2011. Does not include Settlement Only Generators.

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^{2.} External Node Available OPCAP MW based on external Capacity Supply Obligations, CSO, during the Forward Capacity Market procurement period from June 2010 through May 2011

^{3.} New resources that have not yet acquired a CSO but will become commercial in the future.

^{4.} Allowance for Planned Outages includes planned outages scheduled greater than or equal to 15 days in advance.

^{5.} Allowance for Unplanned Outages includes forced outages and maintenance outages scheduled less than 14 days in advance.

Allowance for Unplanned Outages includes forced oranges and maintenance outages scrieduled less trian 14 days in adve.
 Generation at Risk due to Gas Supply pertains to gas fired capacity expected to be at risk during cold weather conditions.
 Total OpCap Supply Available per the formula (1 + 2 + 3 - 4 - 5 - 6 = 7)
 Peak Load Exposure per data included in the 2010 CELT Report.

Operating Reserve Requirement based on first largest contingency plus 1/2 the second largest contingency.
 Total Load Obligation per the formula (8 + 9 = 10)

^{11.} Net OPCAP Supply minus Net Load Obligation (7 - 10 = 11)

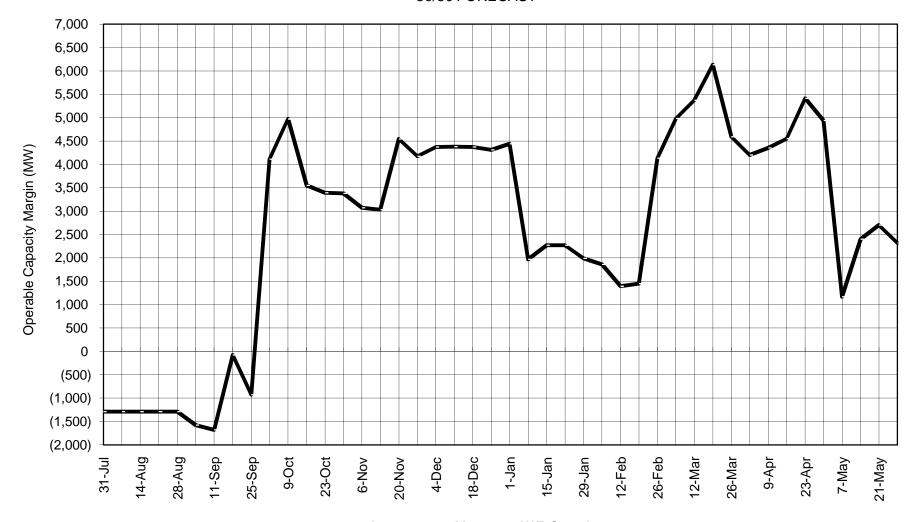
^{12.} OP 4 Action 2 Real-time Demand Response not including reserve margin gross-ups and derate applied.

^{13.} OPCAP Margin taking into account Real Time Demand Response through OP4 Step 2 (11 - 12 = 13).

^{14.} OP 4 Action 6 Emergency Generation Response without the Voltage Reduction requiring > 10 Minutes. Real Time Emergency Generation is capped at 600MW.

15. OPCAP Margin taking into account Real Time Demand Response and Real Time Emergency Generation through OP4 Step 6 (13 -14 = 15). This does not include Emergency Energy Transactions (EETs).

New England Operable Capacity Margins 50/50 FORECAST



August 2010 - May 2011, W/B Saturday