



**Joanne Bialas**  
Outage Coordination

To: NEPOOL Participants

From: Joanne Bialas

**Subject: 2010-11 Annual Maintenance Schedule – Draft #1**

Date: February 18, 2010

Following this transmittal letter, you will find the 2010-11 Annual Maintenance Schedule (AMS) – Draft #1 dated February 18, 2010, with rounded weekly planned outage totals only, and an Operable Capacity Analysis (with forecasted external transactions) for June 2010 through May 2011. This schedule covers 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 – DRAFT #1 - DATED FEBRUARY 18, 2010**

Draft #1 of the 2010-11 AMS - dated February 18, 2010 reflects all planned maintenance requests for June 2010- May 2011 that have been submitted to the ISO through February 12, 2010. Those generator owners who have not yet submitted their anticipated maintenance schedules for Procurement Period 2010-11 are encouraged to do so.

**2010-11 OPERABLE CAPACITY ANALYSIS**

The Operable Capacity Analysis for June 2010 through May 2011 presently forecasts the lowest Long Term Operable Capacity Margin, LTOCM, of negative 1,931 MW for weeks beginning June 12<sup>th</sup> and 19<sup>th</sup>. 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 is 21,505 MW, and reflects the seasonal peak load based on the 2009 CELT Report.

**Generating Unit Capabilities**

Resource Capacity Supply Obligations, CSO, are based upon data as of February 12, 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.

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](mailto:opamoreq@iso-ne.com).



# ISO-NE 2010-11 OPERABLE CAPACITY ANALYSIS

February 18, 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.

Week Beginning, Saturday												
STUDY WEEK	AVAILABLE OPCAP MW	EXTERNAL NODE AVAIL OPCAP MW	NET OPCAP SUPPLY MW	LOAD FORECAST MW	LOAD FORECAST MW	OPER RESERVE REQUIREMENT MW	EXCESS CAPACITY ADJUSTMENTS MW	GEN RISK DUE TO GAS SUP MW	UNPLANNED OUTAGES MW	OPCAP MARGIN MW	OPCAP FROM OP4 MW	OPCAP MARGIN OP4 MW
05/29/2010	29,867	373	30,240	27,543	27,560	1,800	0	0	2,800	(1,920)	488	(1,432)
06/05/2010	29,865	373	30,239	27,543	27,560	1,800	0	0	2,800	(1,921)	488	(1,433)
06/12/2010	29,855	373	30,229	27,543	27,560	1,800	0	0	2,800	(1,931)	488	(1,443)
06/19/2010	29,855	373	30,229	27,543	27,560	1,800	0	0	2,800	(1,931)	488	(1,443)
06/26/2010	29,866	373	30,240	27,543	27,560	1,800	0	0	2,800	(1,920)	488	(1,432)
07/03/2010	29,866	373	30,240	27,543	27,560	1,800	0	0	2,100	(1,220)	488	(732)
07/10/2010	29,844	373	30,218	27,543	27,560	1,800	0	0	2,100	(1,242)	488	(754)
07/17/2010	29,844	373	30,217	27,543	27,560	1,800	0	0	2,100	(1,243)	488	(755)
07/24/2010	29,862	373	30,235	27,543	27,560	1,800	0	0	2,100	(1,225)	488	(737)
07/31/2010	29,858	373	30,231	27,543	27,560	1,800	0	0	2,100	(1,229)	488	(741)
08/07/2010	29,860	373	30,233	27,543	27,560	1,800	0	0	2,100	(1,227)	488	(739)
08/14/2010	29,854	373	30,228	27,543	27,560	1,800	0	0	2,100	(1,232)	488	(744)
08/21/2010	29,837	373	30,210	27,543	27,560	1,800	0	0	2,100	(1,250)	488	(762)
08/28/2010	29,860	373	30,233	27,543	27,560	1,800	0	0	2,100	(1,227)	488	(739)
09/04/2010	29,539	373	29,912	27,543	27,560	1,800	0	0	2,100	(1,548)	488	(1,060)
09/11/2010	29,487	373	29,860	27,543	27,560	1,800	0	0	2,100	(1,600)	488	(1,112)
09/18/2010	27,908	373	28,281	23,418	23,418	1,800	0	0	2,100	963	488	1,451
09/25/2010	28,012	373	28,385	16,771	16,771	1,800	0	0	2,100	7,714	488	8,202
10/02/2010	27,501	373	27,875	16,807	16,807	1,800	0	0	2,800	6,468	488	6,956
10/09/2010	27,981	373	28,354	17,725	17,725	1,800	0	0	2,800	6,029	488	6,517
10/16/2010	27,258	373	27,632	18,088	18,088	1,800	0	0	2,800	4,943	488	5,431
10/23/2010	27,722	373	28,096	18,293	18,293	1,800	0	0	2,800	5,203	488	5,691
10/30/2010	27,783	373	28,156	18,408	18,408	1,800	0	0	3,600	4,348	488	4,836
11/06/2010	28,184	373	28,557	18,751	18,751	1,800	0	0	3,600	4,407	488	4,895
11/13/2010	27,594	373	27,967	19,484	19,484	1,800	0	0	3,600	3,083	488	3,571
11/20/2010	29,150	373	29,523	20,200	20,200	1,800	0	0	3,600	3,923	488	4,411
11/27/2010	29,353	373	29,726	20,399	20,399	1,800	0	0	3,600	3,927	488	4,415
12/04/2010	29,634	373	30,007	20,686	20,686	1,800	0	0	3,200	4,322	421	4,743
12/11/2010	29,804	373	30,178	20,697	20,697	1,800	0	0	3,200	4,481	421	4,902
12/18/2010	30,058	373	30,432	20,759	20,759	1,800	0	0	3,200	4,673	421	5,094
12/25/2010	30,058	373	30,432	20,759	20,759	1,800	0	0	3,200	4,673	421	5,094
01/01/2011	30,096	373	30,469	21,030	21,030	1,800	0	0	2,800	4,838	421	5,259
01/08/2011	30,096	373	30,469	21,492	21,492	1,800	0	2,000	2,800	2,377	421	2,798
01/15/2011	30,201	373	30,574	21,492	21,492	1,800	0	2,000	2,800	2,482	421	2,903
01/22/2011	30,201	373	30,574	21,492	21,492	1,800	0	2,000	2,800	2,482	421	2,903
01/29/2011	30,201	373	30,574	21,271	21,271	1,800	0	2,000	3,100	2,403	421	2,824
02/05/2011	30,060	373	30,433	21,006	21,006	1,800	0	2,000	3,100	2,527	421	2,948
02/12/2011	29,648	373	30,022	20,977	20,977	1,800	0	2,000	3,100	2,144	421	2,565
02/19/2011	29,496	373	29,870	20,717	20,717	1,800	0	2,000	3,100	2,253	421	2,674
02/26/2011	29,637	373	30,010	19,736	19,736	1,800	0	0	3,100	5,374	421	5,795
03/05/2011	29,854	373	30,227	19,389	19,389	1,800	0	0	2,200	6,838	421	7,259
03/12/2011	29,865	373	30,239	19,194	19,194	1,800	0	0	2,200	7,044	421	7,465
03/19/2011	29,854	373	30,227	18,833	18,833	1,800	0	0	2,200	7,395	421	7,816
03/26/2011	29,809	373	30,183	18,271	18,271	1,800	0	0	2,700	7,412	488	7,900
04/02/2011	29,421	373	29,794	17,780	17,780	1,800	0	0	2,700	7,514	488	8,002
04/09/2011	29,538	373	29,912	17,531	17,531	1,800	0	0	2,700	7,880	488	8,368
04/16/2011	28,943	373	29,316	17,025	17,025	1,800	0	0	2,700	7,792	488	8,280
04/23/2011	28,933	373	29,306	16,762	16,762	1,800	0	0	2,700	8,044	488	8,532
05/07/2011	27,718	373	28,091	18,878	18,878	1,800	0	0	3,400	4,013	488	4,501
05/07/2011	28,296	373	28,669	20,975	20,975	1,800	0	0	3,400	2,494	488	2,982
05/14/2011	29,681	373	30,055	21,978	21,978	1,800	0	0	3,400	2,877	488	3,365
05/21/2011	29,683	373	30,057	22,909	22,909	1,800	0	0	3,400	1,947	488	2,435
05/28/2011	29,999	373	30,373	23,692	23,692	1,800	0	0	3,400	1,481	488	1,969

1. Available OPCAP MW based on reouse Capacity Supply Obligations, CSO, during the Forward Capacity Market procurement period from June 2010 through May 2011 taking into account Planned Outage reductions.
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. NET OPCAP SUPPLY = AVAIL OPCAP + EXTERNAL NODE AVAIL OPCAP. AVAIL OPCAP takes into account known Planned Outages.
4. Peak Load Exposure per data included in the 2009 CELT Report with an adjustment for Other Demand Resources.
5. Operating Reserve Requirement based on first largest contingency plus 1/2 the second largest contingency.
6. Allowance for Unplanned Outages includes forced outages and maintenance outages scheduled less than 14 days in advance.
7. Generation at Risk due to Gas Supply pertains to gas fired capacity expected to be at risk during cold weather conditions.

New England Operable Capacity Margins  
50/50 FORECAST

