



Rachel M. Wilkins-Thurman
Outage Coordination

To: NEPOOL Participants

From: Rachel M. Wilkins-Thurman

Subject: 2010-11 Annual Maintenance Schedule – Draft #2

Date: April 14, 2010

Following this transmittal letter, you will find the 2010-11 Annual Maintenance Schedule (AMS) – Draft #2 dated April 14, 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 #2 - DATED APRIL 14, 2010

Draft #2 of the 2010-11 AMS - dated April 14, 2010 reflects all planned maintenance requests for June 2010- May 2011 that have been submitted to the ISO through April 9, 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 1,106 MW for week beginning June 5th. 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 April 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.

2010-11 ANNUAL MAINTENANCE SCHEDULE

Edition: Draft #2

Information Received through April 9, 2010

Dates indicate Saturday week beginning
Sorted by Area and Local Control Center

Summer Peak Load Exposure weeks

										2010-11																																																				
										May		June			July			August			September			October			November			December			January			February			March			April			May																	
Plant Name	Asset ID	S. Name	RSP	LCC	Current Lead Participant	Blackstart	Type	WSCC	SSCC	29	5	12	19	26	3	10	17	24	31	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	5	12	19	26	5	12	19	26	2	9	16	23	30	7	14	21	
						Planned			planned	100	0	0	0	0	0	0	0	0	0	0	100	100	100	200	500	500	3500	4100	5000	2800	3900	3800	3100	2400	2500	1600	1100	800	900	600	600	300	300	0	0	0	100	600	700	600	500	400	1200	1300	2700	2100	3000	3000	2700	3500	1600	400

ISO-NE 2010-11 OPERABLE CAPACITY ANALYSIS

April 14, 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	NON CSO AVAIL SUPPLY MW	GEN RISK DUE TO GAS SUP MW	UNPLANNED OUTAGES MW	OPCAP MARGIN MW	OPCAP FROM OP4 MW	OPCAP MARGIN OP4 MW
5/29/2010	29,870	300	30,170	0	26,618	1,800	0	0	2,800	(1,048)	485	(563)
6/5/2010	29,812	300	30,112	0	26,618	1,800	0	0	2,800	(1,106)	485	(621)
6/12/2010	29,860	300	30,159	0	26,618	1,800	0	0	2,800	(1,059)	485	(573)
6/19/2010	29,850	300	30,150	0	26,618	1,800	0	0	2,800	(1,068)	485	(583)
6/26/2010	29,854	300	30,153	0	26,618	1,800	0	0	2,800	(1,065)	485	(579)
7/3/2010	29,874	300	30,173	0	26,618	1,800	0	0	2,100	(345)	485	141
7/10/2010	29,862	300	30,161	0	26,618	1,800	0	0	2,100	(357)	485	129
7/17/2010	29,861	300	30,161	0	26,618	1,800	0	0	2,100	(357)	485	128
7/24/2010	29,866	300	30,166	0	26,618	1,800	0	0	2,100	(352)	485	133
7/31/2010	29,862	300	30,161	0	26,618	1,800	0	0	2,100	(357)	485	129
8/7/2010	29,862	300	30,161	0	26,618	1,800	0	0	2,100	(357)	485	129
8/14/2010	29,840	300	30,139	0	26,618	1,800	0	0	2,100	(379)	485	107
8/21/2010	29,836	300	30,135	0	26,618	1,800	0	0	2,100	(383)	485	103
8/28/2010	29,846	300	30,146	0	26,618	1,800	0	0	2,100	(372)	485	113
9/4/2010	29,554	300	29,854	0	26,618	1,800	0	0	2,100	(664)	485	(179)
9/11/2010	29,524	300	29,824	0	26,618	1,800	0	0	2,100	(694)	485	(209)
9/18/2010	26,762	300	27,062	0	22,722	1,800	0	0	2,100	440	485	925
9/25/2010	26,773	300	27,073	0	22,632	1,800	0	0	2,800	(159)	485	326
10/2/2010	25,868	300	26,167	0	16,793	1,800	0	0	2,800	4,774	485	5,260
10/9/2010	27,104	300	27,404	0	16,829	1,800	0	0	2,800	5,975	485	6,460
10/16/2010	26,910	300	27,210	0	17,748	1,800	0	0	2,800	4,862	485	5,347
10/23/2010	26,581	300	26,881	0	18,110	1,800	0	0	2,800	4,171	485	4,656
10/30/2010	26,916	300	27,216	0	18,315	1,800	0	0	3,600	3,501	485	3,986
11/6/2010	27,277	300	27,576	0	18,430	1,800	0	0	3,600	3,746	485	4,232
11/13/2010	27,479	300	27,778	0	18,772	1,800	0	0	3,600	3,606	485	4,092
11/20/2010	29,171	300	29,471	0	19,505	1,800	0	0	3,600	4,566	485	5,051
11/27/2010	29,164	300	29,463	0	20,234	1,800	0	0	3,600	3,829	485	4,315
12/4/2010	29,659	300	29,959	0	20,433	1,800	0	0	3,200	4,526	419	4,944
12/11/2010	29,654	300	29,953	0	20,720	1,800	0	0	3,200	4,233	419	4,652
12/18/2010	29,920	300	30,219	0	20,731	1,800	0	0	3,200	4,488	419	4,907
12/25/2010	29,920	300	30,219	0	20,793	1,800	0	0	3,200	4,426	419	4,845
1/8/2011	29,957	300	30,257	0	19,373	1,800	0	2,000	2,800	4,284	419	4,703
1/8/2011	29,957	300	30,257	0	21,526	1,800	0	2,000	2,800	2,131	419	2,550
1/15/2011	30,235	300	30,535	0	21,526	1,800	0	2,000	2,800	2,409	419	2,827
1/22/2011	30,235	300	30,535	0	21,526	1,800	0	2,000	2,800	2,409	419	2,827
1/29/2011	30,235	300	30,535	0	21,305	1,800	0	2,000	3,100	2,330	419	2,748
2/5/2011	30,094	300	30,394	0	21,040	1,800	0	2,000	3,100	2,454	419	2,872
2/12/2011	29,683	300	29,982	0	21,011	1,800	0	2,000	3,100	2,071	419	2,490
2/19/2011	29,531	300	29,830	0	20,751	1,800	0	2,000	3,100	2,179	419	2,598
2/26/2011	29,671	300	29,971	0	19,770	1,800	0	0	3,100	5,301	419	5,720
3/5/2011	29,883	300	30,183	0	19,424	1,800	0	0	2,200	6,759	419	7,178
3/12/2011	29,815	300	30,114	0	19,229	1,800	0	0	2,200	6,885	419	7,304
3/19/2011	29,840	300	30,140	0	18,867	1,800	0	0	2,200	7,273	419	7,692
3/26/2011	28,855	300	29,155	0	18,306	1,800	0	0	2,700	6,349	485	6,834
4/2/2011	28,577	300	28,877	0	17,803	1,800	0	0	2,700	6,574	485	7,059
4/9/2011	28,667	300	28,966	0	17,553	1,800	0	0	2,700	6,913	485	7,399
4/16/2011	27,871	300	28,171	0	17,047	1,800	0	0	2,700	6,624	485	7,109
4/23/2011	27,884	300	28,183	0	16,785	1,800	0	0	2,700	6,898	485	7,384
5/7/2011	26,839	300	27,138	0	18,293	1,800	0	0	3,400	3,645	485	4,131
5/7/2011	27,417	300	27,717	0	20,325	1,800	0	0	3,400	2,192	485	2,677
5/14/2011	29,636	300	29,935	0	21,296	1,800	0	0	3,400	3,439	485	3,925
5/28/2011	29,638	300	29,937	0	20,678	1,800	0	3,200	3,400	859	485	1,345
5/28/2011	30,034	300	30,333	0	22,976	1,800	0	3,200	3,400	(1,043)	485	(558)

1. Available OPCAP MW based on resouse 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

