Richard Boughton
Outage Coordination

To: NEPOOL Participants

From: Richard Boughton

Subject: 2011 Annual Maintenance Schedule – January Edition

Date: January 4, 2010

Following this transmittal letter, you will find the 2010-11 Annual Maintenance Schedule (AMS) – January Edition dated January 4, 2010, with rounded weekly planned outage totals only, and an Operable Capacity Analysis for January 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.

2011 AMS – JANUARY EDITION - DATED JANUARY 4, 2011

January Edition of the 2011 AMS - dated January 4, 2010 reflects all planned maintenance requests for January 2011- May 2011 that have been submitted to the ISO through December 29, 2010. Those generator owners who have not yet submitted their anticipated maintenance schedules for the AMS covering the Procurement Period 2011 are encouraged to do so.

Special Note: All Outages are now required to be submitted through ISO-NEs generation outage scheduling software known as CROW. Outages will only be accepted through opamoreq@iso-ne.com that requires an outage to be shortened in duration. Please contact customer service with any questions in regards to this new process.

2011 OPERABLE CAPACITY ANALYSIS

The Operable Capacity Analysis for January 2011 through May 2011 presently forecasts the lowest Long Term Operable Capacity Margin, LTOCM, of negative 120 MW for week beginning May 7th . However, it is possible that additional maintenance that may be added in upcoming editions of the 2011 AMS will reduce those margins.

Peak Load Exposures (PLE)

After being adjusted for Other Demand Resources, ODR, the Peak Load Exposure (PLE) for the winter of the 2011 procurement period is 21,526 MW 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 December 29, 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 edition of the 2011 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. For the first two weeks of the analysis, the weekly operating reserve is equal to one hundred and twelve point seven percent (112.7%) of the largest contingency plus one-half (50%) of the second-largest contingency until February first.

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 2011 AMS or Operable Capacity Analysis, If you have any comments or suggestions please feel free to contact Rachel Wilkins-Thurman (413) 540-4261, Richard Boughton at (413) 540-4752 or Joanne Bialas at (413) 535-4162 or by email at opamoreq@iso-ne.com

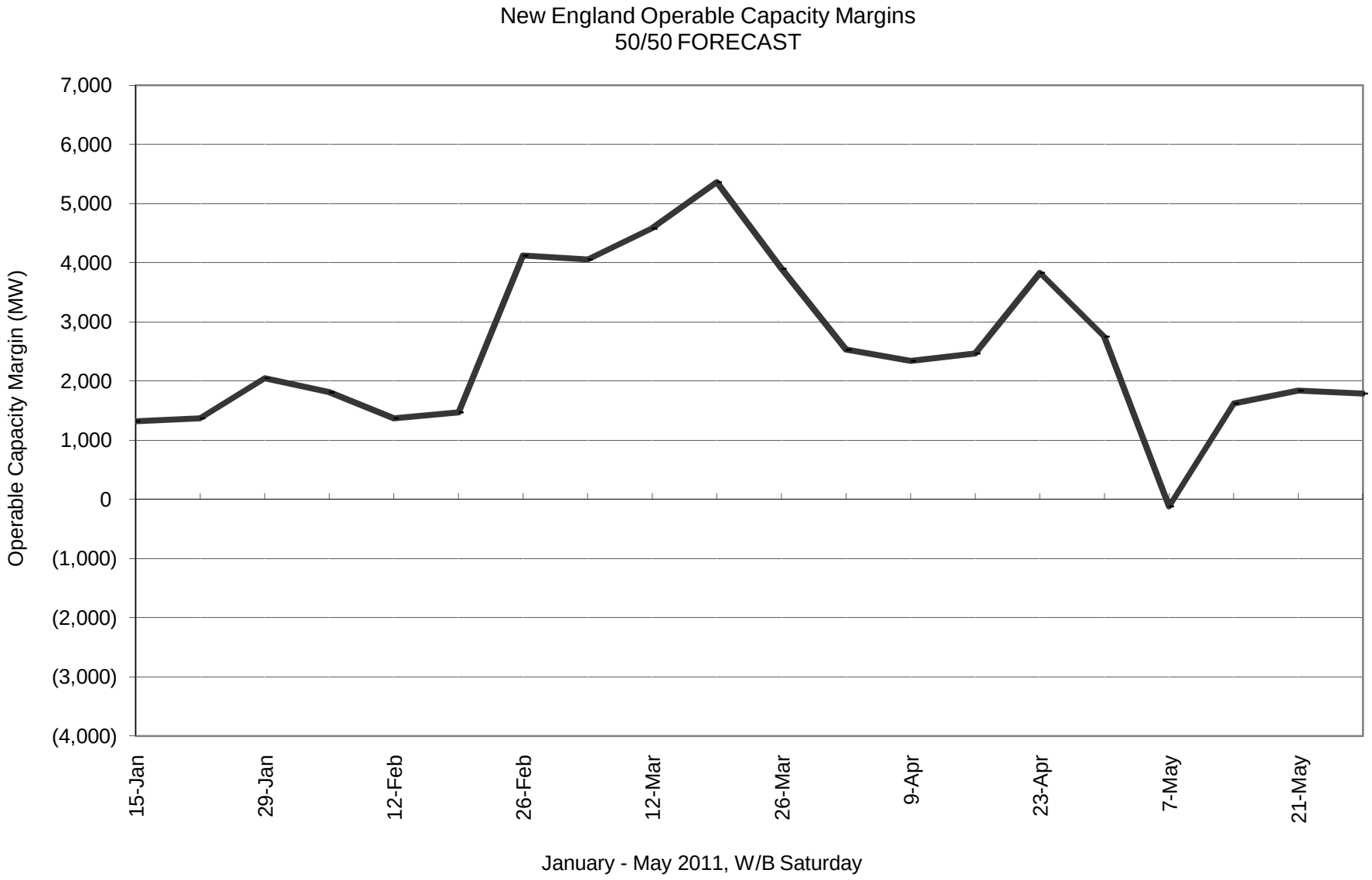
ISO-NE 2010 OPERABLE CAPACITY ANALYSIS

January 4, 2011 - 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.

	OPCAP SUPPLY							LOAD OBLIGATIONS			OPCAP MARGINS				
STUDY WEEK (Week Beginning, Saturday)	AVAILABLE OPCAP MW	EXTERNAL NODE AVAIL CAPACITY MW	NON COMMERCIAL CAPACITY MW	PLANNED OUTAGES	ALLOWANCE FOR UNPLANNED OUTAGES MW	GEN AT RISK DUE TO GAS SUP MW	NET OPCAP SUPPLY MW	PEAK LOAD FORECAST MW	OPER RESERVE REQUIREMENT MW	NET LOAD OBLIGATION MW	OPCAP MARGIN MW	OPCAP FROM OP4 ACTIVE REAL-TIME DR MW	OPCAP MARGIN w/ OP4 actions through OP4 Step 2 MW	OPCAP FROM OP4 REAL-TIME EMER. GEN MW	OPCAP MARGIN w/ OP4 actions through OP4 Step 6 MW
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]
01/15/2011	**30,526**	**368**	**0**	**1,247**	**2,800**	**2,000**	**24,850**	**21,526**	**2,000**	**23,526**	**1,320**	**670**	**1,990**	**520**	**2,510**
01/22/2011	30,520	368	0	1,192	2,800	2,000	24,900	21,526	2,000	23,526	1,370	670	2,040	520	2,560
01/29/2011	30,583	387	0	711	3,100	2,000	25,160	21,305	1,800	23,105	2,050	670	2,720	520	3,240
02/05/2011	30,658	387	0	1,295	3,100	2,000	24,650	21,040	1,800	22,840	1,810	670	2,480	520	3,000
02/12/2011	30,686	387	0	1,788	3,100	2,000	24,180	21,011	1,800	22,811	1,370	670	2,040	520	2,560
02/19/2011	30,692	387	0	1,962	3,100	2,000	24,020	20,751	1,800	22,551	1,470	670	2,140	520	2,660
02/26/2011	30,833	387	0	2,429	3,100	0	25,690	19,770	1,800	21,570	4,120	670	4,790	520	5,310
03/05/2011	30,711	300	0	3,530	2,200	0	25,280	19,424	1,800	21,224	4,060	670	4,730	520	5,250
03/12/2011	30,690	300	0	3,185	2,200	0	25,610	19,229	1,800	21,029	4,580	670	5,250	520	5,770
03/19/2011	30,677	300	0	2,751	2,200	0	26,030	18,867	1,800	20,667	5,360	670	6,030	520	6,550
03/26/2011	30,512	300	0	4,105	2,700	0	24,010	18,306	1,800	20,106	3,900	670	4,570	520	5,090
04/02/2011	30,549	300	0	6,016	2,700	0	22,130	17,803	1,800	19,603	2,530	670	3,200	520	3,720
04/09/2011	30,818	300	0	6,725	2,700	0	21,690	17,553	1,800	19,353	2,340	670	3,010	520	3,530
04/16/2011	30,874	300	0	7,158	2,700	0	21,320	17,047	1,800	18,847	2,470	670	3,140	520	3,660
04/23/2011	30,816	300	0	5,991	2,700	0	22,420	16,785	1,800	18,585	3,830	670	4,500	520	5,020
04/30/2011	30,733	300	0	5,696	2,700	0	22,640	15,082	1,800	16,882	5,760	670	6,430	520	6,950
05/07/2011	**30,092**	**300**	**0**	**4,900**	**3,400**	**0**	**22,090**	**20,325**	**1,800**	**22,125**	**(40)**	**670**	**630**	**520**	**1,150**
05/14/2011	30,092	300	0	2,100	3,400	0	24,890	21,296	1,800	23,096	1,790	670	2,460	520	2,980
05/21/2011	30,092	300	0	900	3,400	0	26,090	22,198	1,800	23,998	2,090	670	2,760	520	3,280
05/28/2011	30,092	300	0	400	3,400	0	26,590	22,976	1,800	24,776	1,810	670	2,480	520	3,000

1. Available OPCAP MW based on resource Capacity Supply Obligations, CSO, from Forward Capacity Tracking System, FCTS . Does not include Settlement Only Generators.
(separate LTOCM run without any generator outages, tab Case Output-System Results-column LZ EXPORT LTD AVAIL OPCAP MW)
2. External Node Available Capacity MW based on external Capacity Supply Obligations, CSO. (LTOCM application Case Output-System Results-EXTERNAL NODE AVAIL OPCAP MW)
3. New resources that have not yet acquired a CSO but will become commercial in the future.
4. Planned Outages includes 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 per ISO New England Operating Procedure No. 5 Appendix A.
(LTOCM application Case Output-System Results-UNPLANNED OUTAGES MW)
6. Generation at Risk due to Gas Supply pertains to gas fired capacity expected to be at risk during cold weather conditions. (LTOCM application Case Output-System Results-GEN RISK DUE TO GAS SUP MW)
7. Total OpCap Supply Available per the formula (1 + 2 + 3 - 4 - 5 - 6 = 7)
8. Peak Load Forecast per data included in the 2010 CELT Report adjusted for Other Demand Resources. (LTOCM application-Case Output-System Results-LOAD FORECAST MW)
9. Operating Reserve Requirement based on first largest contingency plus 1/2 the second largest contingency. (LTOCM application Case Output-System Results-OPER RESERVE REQUIREMENT MW)
For the first two weeks of the analysis, the weekly operating reserve is equal to one hundred and twelve point seven percent (112.7%) of the largest contingency plus one-half (50%) of the second-largest contingency until February first.
10. 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 based on OP4 Appendix A. Reserve Margins and Distribution Loss Factor Gross Ups are Included.
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 based on OP4 Appendix A. Real Time Emergency Generation is capped at 600MW. Reserve Margins and Distribution Loss Factor Gross Ups are Included.
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
Operable Capacity Margin (MW)
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
(1,000)
(2,000)
(3,000)
(4,000)
15-Jan
29-Jan
12-Feb
26-Feb
12-Mar
26-Mar
9-Apr
23-Apr
7-May
21-May
January - May 2011, W/B Saturday