Rachel Wilkins-Thurman
Outage Coordination

To: NEPOOL Participants

From: Rachel Wilkins-Thurman

Subject: 2011-12 Current Year Annual Maintenance Schedule

Date: December 5, 2011

Following this transmittal letter, you will find the 2011-12 Annual Maintenance Schedule (AMS) – dated December 5, 2011, with rounded weekly planned outage totals only, and an Operable Capacity Analysis (with forecasted external transactions) for December 2011 through May 31, 2012. This schedule covers the second 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.

2011-12 AMS - DATED December 5, 2011

The 2011-12 AMS - dated December 5, 2011 reflects all planned maintenance requests for December 2011- May 31, 2012 that have been submitted to the ISO through December 1, 2011. Those generator owners who have not yet submitted their anticipated maintenance schedules for Procurement Period 2011-12 are encouraged to do so.

2011-12 OPERABLE CAPACITY ANALYSIS

The Operable Capacity Analysis for December 2011 through May 31, 2012 presently forecasts the lowest Long Term Operable Capacity Margin, LTOCM, of 1630 MW for week beginning May 26th. The overall margin has become more positive since new resources have been added to the overall available capacity since the last publication.

Peak Load Exposures (PLE)

After being adjusted for Other Demand Resources, ODR, the Peak Load Exposure (PLE) for the summer of 2011 was 26,776 MW and winter 2012 is 21,495 MW, and reflects the seasonal peak load based on the 2011 CELT Report.

Generating Unit Capabilities

Resource Capacity Supply Obligations, CSO, are based upon data as of December 1, 2011 and includes Energy Management System (EMS) assets. New unit additions are factored into the New Generation column at the appropriate points in time.

Unplanned Outage Allotment

Allowances for unplanned outages, as documented in ISO New England SOP-OUTSCH.0030.0040 range from 2,100 MW to 3,600 MW during the winter and summer months.

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 2011-12 AMS or Operable Capacity Analysis, or If you have any comments or suggestions please feel free to contact Rachel Wilkins-Thurman (413) 540-4261 or Richard Boughton at (413) 540-4752 or by email at opamoreq@iso-ne.com.

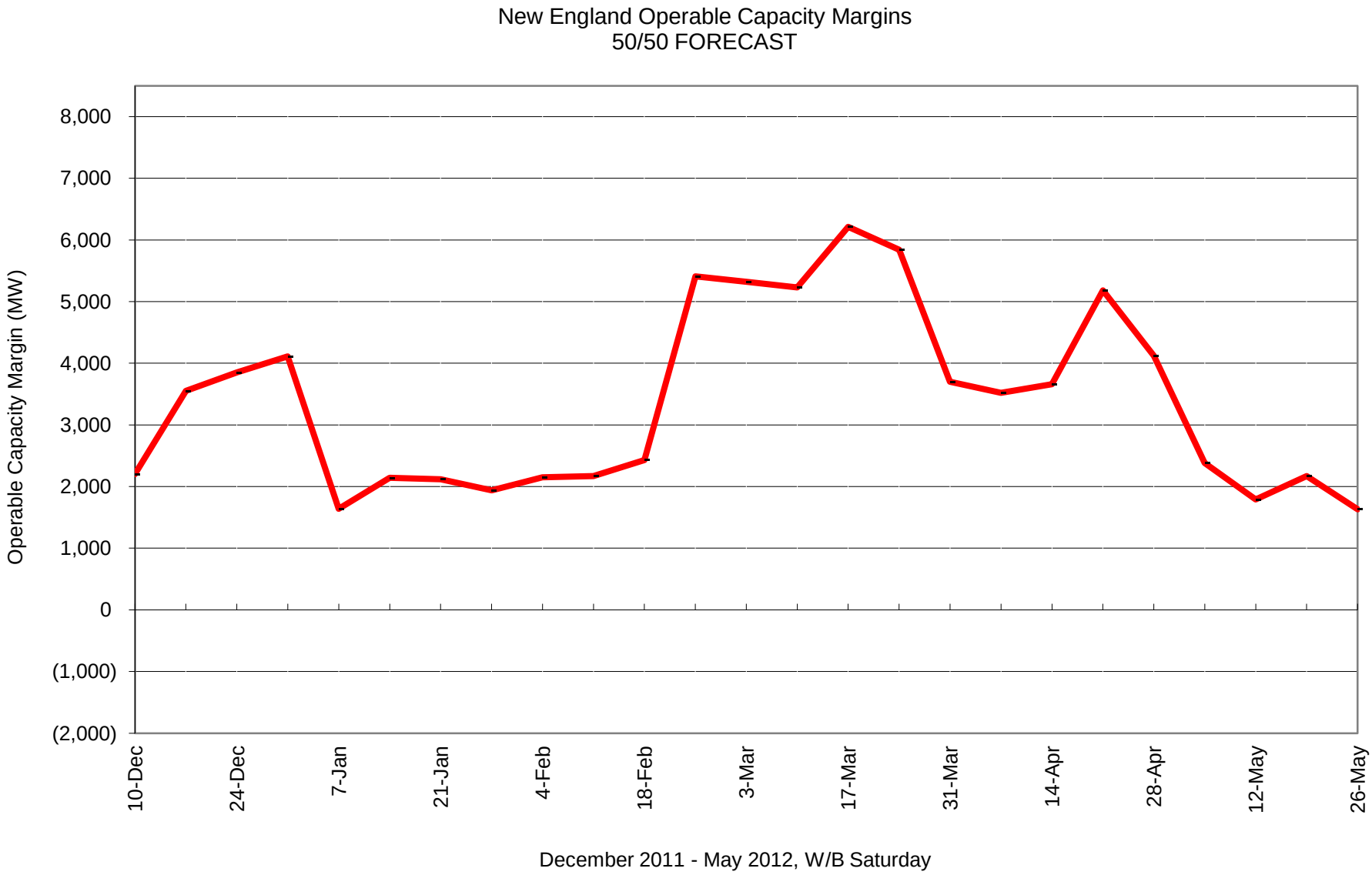
ISO-NE 2011-12 OPERABLE CAPACITY ANALYSIS

December 5 , 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]
12/10/2011	31,303	368	0	3,595	3,200	0	24,880	20,683	2,000	22,683	2,200	550	2,750	375	3,125
12/17/2011	31,040	368	0	1,963	3,200	0	26,240	20,694	2,000	22,694	3,550	550	4,100	375	4,475
12/24/2011	30,985	368	0	1,539	3,200	0	26,610	20,756	2,000	22,756	3,850	550	4,400	375	4,775
12/31/2011	31,012	368	0	1,440	2,800	0	27,140	21,030	2,000	23,030	4,110	550	4,660	375	5,035
1/7/2012	31,024	368	0	1,452	2,800	2,000	25,140	21,495	2,000	23,495	1,640	550	2,190	375	2,565
1/14/2012	31,547	368	0	1,474	2,800	2,000	25,640	21,495	2,000	23,495	2,140	550	2,690	375	3,065
1/21/2012	31,239	368	0	1,186	2,800	2,000	25,620	21,495	2,000	23,495	2,120	550	2,670	375	3,045
1/28/2012	30,447	493	0	631	3,100	2,000	25,210	21,272	2,000	23,272	1,940	550	2,490	375	2,865
2/4/2012	30,674	493	0	905	3,100	2,000	25,160	21,005	2,000	23,005	2,150	550	2,700	375	3,075
2/11/2012	30,415	493	0	654	3,100	2,000	25,150	20,976	2,000	22,976	2,170	550	2,720	375	3,095
2/18/2012	30,385	493	0	637	3,100	2,000	25,140	20,714	2,000	22,714	2,430	550	2,980	375	3,355
2/25/2012	30,380	493	0	635	3,100	0	27,140	19,726	2,000	21,726	5,410	550	5,960	375	6,335
3/3/2012	30,587	493	0	2,179	2,200	0	26,700	19,376	2,000	21,376	5,320	550	5,870	375	6,245
3/10/2012	30,559	493	0	2,442	2,200	0	26,410	19,180	2,000	21,180	5,230	550	5,780	375	6,155
3/17/2012	30,456	493	0	1,719	2,200	0	27,030	18,816	2,000	20,816	6,210	550	6,760	375	7,135
3/24/2012	30,533	493	0	2,736	2,200	0	26,090	18,250	2,000	20,250	5,840	550	6,390	375	6,765
3/31/2012	30,856	493	0	5,206	2,700	0	23,440	17,742	2,000	19,742	3,700	550	4,250	375	4,625
4/7/2012	31,595	493	0	6,383	2,700	0	23,010	17,491	2,000	19,491	3,520	550	4,070	375	4,445
4/14/2012	31,034	493	0	6,184	2,700	0	22,640	16,981	2,000	18,981	3,660	550	4,210	375	4,585
4/21/2012	30,985	493	0	4,874	2,700	0	23,900	16,716	2,000	18,716	5,180	550	5,730	375	6,105
4/28/2012	30,637	493	0	4,918	3,400	0	22,810	16,690	2,000	18,690	4,120	550	4,670	375	5,045
5/5/2012	30,525	493	0	2,792	3,400	0	24,830	20,452	2,000	22,452	2,380	550	2,930	375	3,305
5/12/2012	30,390	493	0	2,248	3,400	0	25,230	21,438	2,000	23,438	1,790	550	2,340	375	2,715
5/19/2012	30,611	493	0	1,181	3,400	0	26,520	22,354	2,000	24,354	2,170	550	2,720	375	3,095
5/26/2012	30,184	493	0	285	3,400	0	26,990	23,360	2,000	25,360	1,630	550	2,180	375	2,555

1. Available OPCAP MW based on resource Capacity Supply Obligations, CSO, from Forward Capacity Tracking System, FCTS . Does not include Settlement Only Generators.
(LTOCM application Case Output-System Results-column PreOutage CSO 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+ ZONAL EXPORT LIMITATIONS 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 2011 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)
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)
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
(1,000)
(2,000)
10-Dec
24-Dec
7-Jan
21-Jan
4-Feb
18-Feb
3-Mar
17-Mar
31-Mar
14-Apr
28-Apr
12-May
26-May
December 2011 - May 2012, W/B Saturday