



Rachel Wilkins-Thurman
Outage Coordination

To: NEPOOL Participants

From: Rachel Wilkins-Thurman

Subject: 2012-13 Current Year Annual Maintenance Schedule

Date: December 28, 2012

Following this transmittal letter, you will find the 2012-13 Annual Maintenance Schedule (AMS) dated December 28, 2012, with an Operable Capacity Analysis (with forecasted external transactions) for December 29, 2012- May 31, 2013. This schedule covers the third 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.

2012-13 AMS - DATED December 28, 2012

The 2012 AMS - dated December 28, 2012 reflects all planned maintenance requests for December 2012- May 31, 2013 that have been submitted to the ISO through December 18, 2012. Those generator owners who have not yet submitted their anticipated maintenance schedules for Procurement Period 2012-13 are encouraged to do so.

2012-13 OPERABLE CAPACITY ANALYSIS

The Operable Capacity Analysis for December 29, 2012 - May 31, 2013 presently forecasts the lowest Long Term Operable Capacity Margin, LTOCM, of negative 1,292 MW for weeks beginning January 19th. The overall margin has become less positive since resources have been removed or repositioned since the last publication.

Peak Load Exposures (PLE)

After being adjusted for Other Demand Resources, ODR, the Peak Load Exposure (PLE) for the winter was 21,412 MW and summer of 2012 is 26,462 MW, and reflects the seasonal peak load based on the 2012 CELT Report.

Generating Unit Capabilities

Resource Capacity Supply Obligations, CSO, are based upon data as of December 18, 2012 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 2,700 MW to 3,400 MW during the winter and summer months.

External Transmission

Maintenance of Hydro-Quebec Phase II and Highgate are included in the analysis when the Capacity Supply Obligation (CSO) is impacted.

Weekly Operating Reserve

The weekly operating reserve is equal to one hundred twenty five percent (125%) 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 due to the unavailability of gas.

If you have any questions or comments concerning this edition of the 2012 AMS or Operable Capacity Analysis, or if you have any comments or suggestions please feel free to contact Rachel Wilkins-Thurman at (413) 540-4261, Joanne Bialas (413) 535-4162 or by email at opamoreq@iso-ne.com.

ISO-NE 2012-2013 OPERABLE CAPACITY ANALYSIS

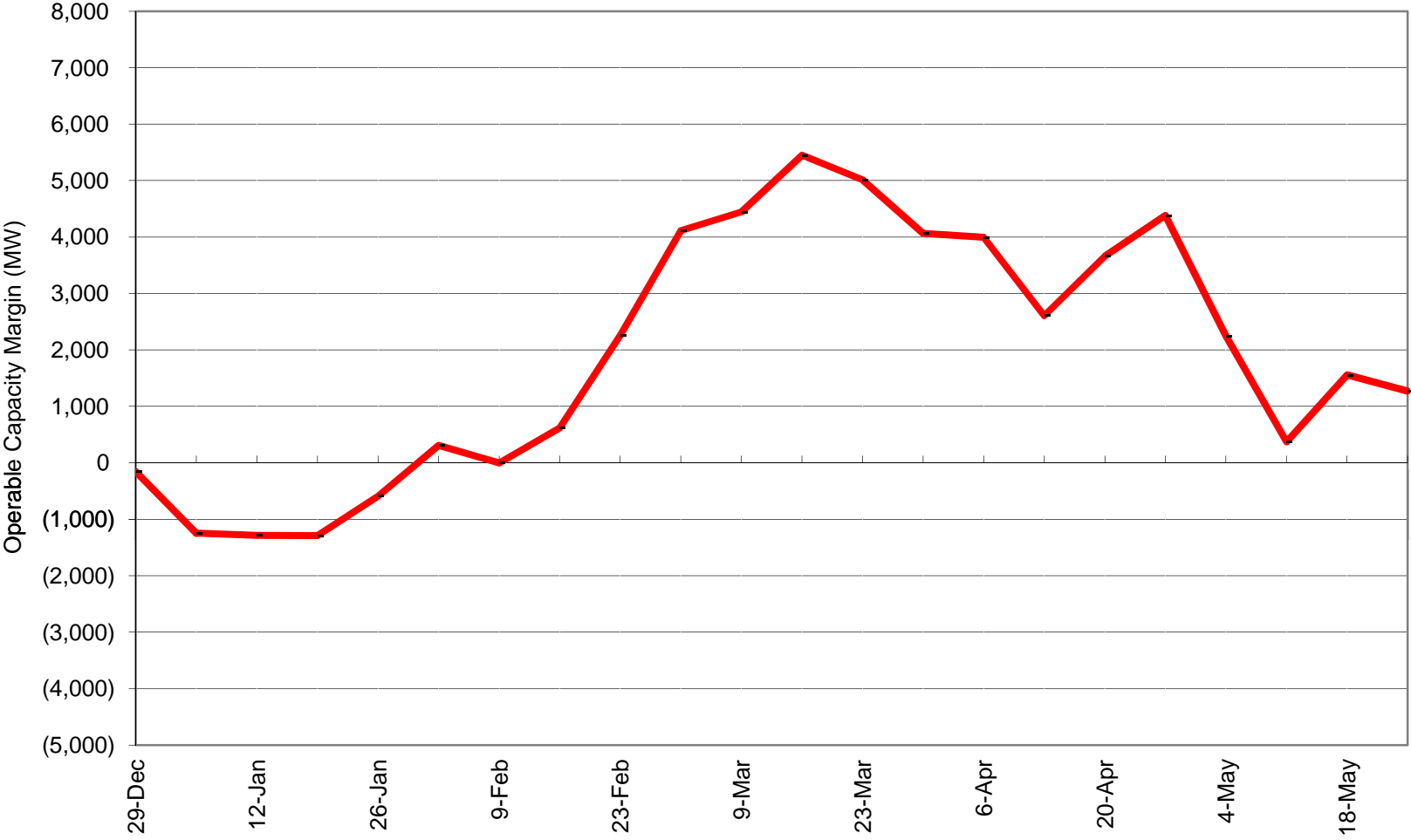
December 28, 2012 - 50/50- FORECAST - CSO_Reduced LNG Available

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 and Mid September

STUDY WEEK (Week Beginning, Saturday)	OPCAP SUPPLY							LOAD OBLIGATIONS			OPCAP MARGINS				
	AVAILABLE OPCAP MW	EXTERNAL NODE AVAIL CAPACITY MW	NON COMMERCIAL CAPACITY MW	PLANNED OUTAGES CSO MW	ALLOWANCE FOR UNPLANNED OUTAGES MW	GAS AT RISK 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]
12/29/2012	30,310	337	216	1,963	2,800	2,937	23,163	20,944	2,375	23,319	(156)	643	487	300	787
1/5/2013	30,310	337	216	2,471	2,800	3,054	22,538	21,412	2,375	23,787	(1,249)	613	(636)	358	(278)
1/12/2013	30,310	337	216	1,848	2,800	3,714	22,501	21,412	2,375	23,787	(1,286)	613	(673)	358	(315)
1/19/2013	30,310	337	216	1,596	2,800	3,972	22,495	21,412	2,375	23,787	(1,292)	613	(679)	358	(321)
1/26/2013	30,310	555	216	1,245	3,100	3,765	22,971	21,188	2,375	23,563	(592)	613	21	358	379
2/2/2013	30,310	555	216	1,235	3,100	3,144	23,602	20,920	2,375	23,295	307	613	920	358	1,278
2/9/2013	30,310	555	216	1,823	3,100	2,895	23,263	20,891	2,375	23,266	(3)	613	610	358	968
2/16/2013	30,310	555	216	2,071	3,100	2,292	23,618	20,627	2,375	23,002	616	613	1,229	358	1,587
2/23/2013	30,310	555	216	2,114	3,100	1,602	24,265	19,633	2,375	22,008	2,257	613	2,870	358	3,228
3/2/2013	30,310	555	216	2,126	2,200	985	25,770	19,282	2,375	21,657	4,113	613	4,726	358	5,084
3/9/2013	30,310	555	216	2,226	2,200	750	25,905	19,085	2,375	21,460	4,445	613	5,058	358	5,416
3/16/2013	30,310	555	216	2,004	2,200	336	26,541	18,718	2,375	21,093	5,448	613	6,061	358	6,419
3/23/2013	30,310	555	216	3,343	2,200	0	25,538	18,150	2,375	20,525	5,013	613	5,626	358	5,984
3/30/2013	30,125	555	216	4,120	2,700	0	24,076	17,638	2,375	20,013	4,063	613	4,676	358	5,034
4/6/2013	30,125	555	216	4,442	2,700	0	23,754	17,385	2,375	19,760	3,994	613	4,607	358	4,965
4/13/2013	30,125	555	216	6,340	2,700	0	21,856	16,873	2,375	19,248	2,608	613	3,221	358	3,579
4/20/2013	30,125	555	216	5,553	2,700	0	22,643	16,607	2,375	18,982	3,661	613	4,274	358	4,632
4/27/2013	30,125	555	216	4,158	3,400	0	23,338	16,580	2,375	18,955	4,383	613	4,996	358	5,354
5/4/2013	30,125	555	216	2,879	3,400	0	24,617	19,998	2,375	22,373	2,244	613	2,857	358	3,215
5/11/2013	30,125	555	216	3,778	3,400	0	23,718	20,973	2,375	23,348	370	613	983	358	1,341
5/18/2013	30,125	555	216	1,688	3,400	0	25,808	21,878	2,375	24,253	1,555	613	2,168	358	2,526
5/25/2013	30,125	555	216	977	3,400	0	26,519	22,872	2,375	25,247	1,272	613	1,885	358	2,243

1. Available OPCAP MW based on resource Capacity Supply Obligations, CSO. Does not include Settlement Only Generators.
2. External Node Available Capacity MW based on external Capacity Supply Obligations, CSO .
3. New resources that have acquired a CSO but have not become commercial.
4. Planned Outages is the total of Generator/DARD Outages for the period. This value would also include any known long-term Forced Outages.
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.
6. All Planned Gas-fired generation outage for the period. This value would also include any known long-term Gas-fired Forced Outages.
6. Generation at Risk due to Gas Supply pertains to gas fired capacity expected to be at risk during cold weather conditions or gas pipeline maintenance outages.
7. Net OpCap Supply MW Available (1 + 2 + 3 - 4 - 5 - 6 = 7)
8. Peak Load Forecast per data included in the 2012 CELT Report adjusted for Other Demand Resources.
9. Operating Reserve Requirement based on 125% of first largest contingency plus 50% the second largest contingency.
10. Total Net Load Obligation per the formula(8 + 9 = 10)
11. Net OPCAP Margin MW = Net Op Cap Supply MW 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 - CSO
50/50 FORECAST reduced LNG imports



December 2012 -May 2013, W/B Saturday