



Rachel Wilkins-Thurman
Outage Coordination

To: NEPOOL Participants

From: Rachel Wilkins-Thurman

Subject: 2012-13 Current Year Annual Maintenance Schedule

Date: December 3, 2012

Following this transmittal letter, you will find the 2012-13 Annual Maintenance Schedule (AMS) dated December 3, 2012, with an Operable Capacity Analysis (with forecasted external transactions) for December 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 3, 2012

The 2012 AMS - dated December 3, 2012 reflects all planned maintenance requests for December 2012- May 31, 2013 that have been submitted to the ISO through November 27, 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 2012 - May 31, 2013 presently forecasts the lowest Long Term Operable Capacity Margin, LTOCM, of negative 1,510 MW for weeks beginning January 12th and 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 November 27, 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 FINAL

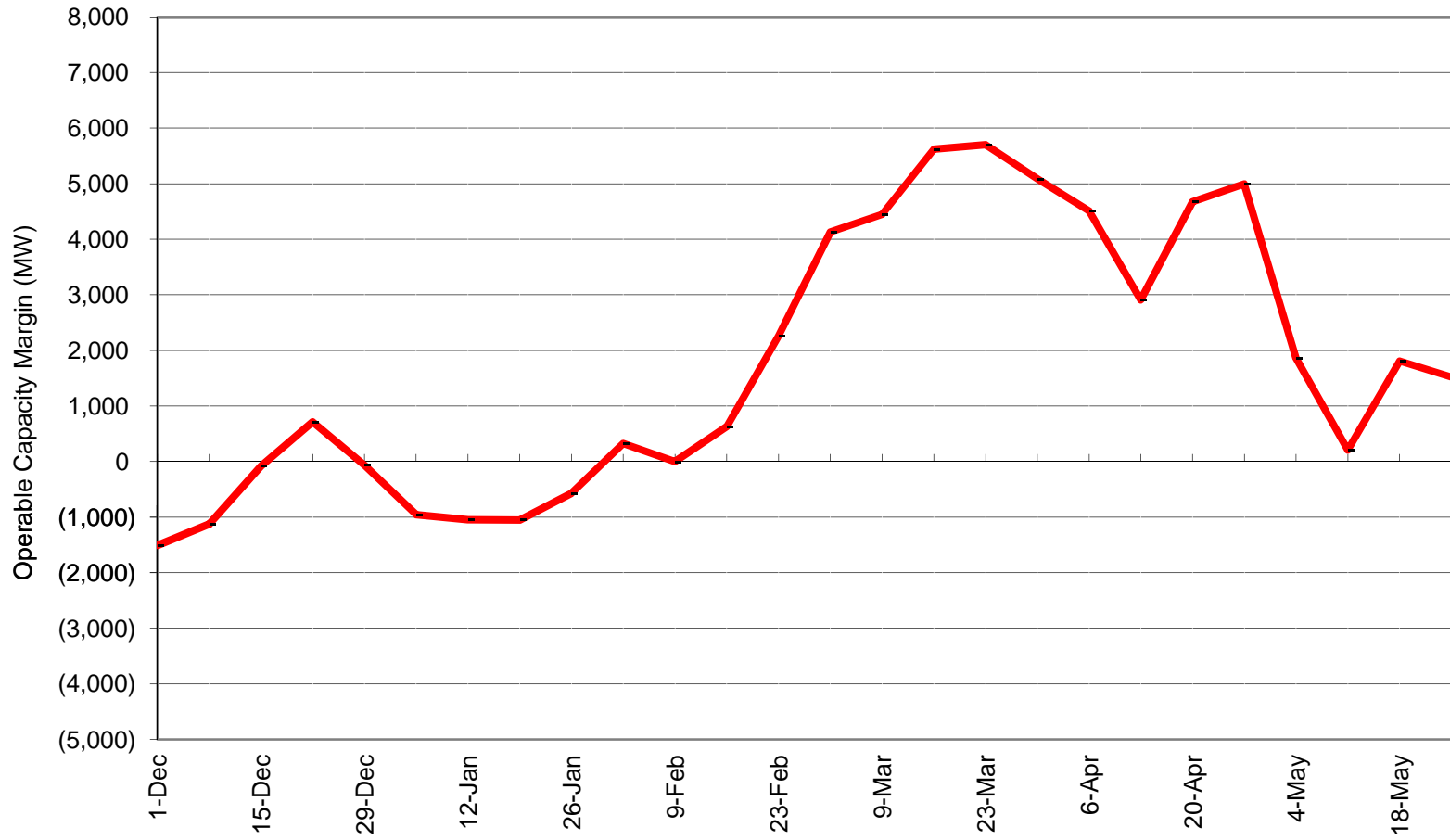
December 3, 2012 - 50/50- FORECAST - CSO_Reduced LNG Available

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]
12/1/2012	30,709	337	216	6,356	3,200	537	21,169	20,304	2,375	22,679	(1,510)	643	(867)	300	(567)
12/8/2012	30,709	337	216	4,809	3,200	1,408	21,845	20,595	2,375	22,970	(1,125)	643	(482)	300	(182)
12/15/2012	30,709	337	216	2,734	3,200	2,429	22,899	20,607	2,375	22,982	(83)	643	560	300	860
12/22/2012	30,709	337	216	1,410	3,200	2,895	23,757	20,669	2,375	23,044	713	643	1,356	300	1,656
12/29/2012	30,310	337	216	1,306	3,200	3,101	23,256	20,944	2,375	23,319	(63)	643	580	300	880
1/5/2013	30,310	555	216	2,233	2,800	3,218	22,830	21,412	2,375	23,787	(957)	613	(344)	358	14
1/12/2013	30,310	555	216	1,661	2,800	3,878	22,742	21,412	2,375	23,787	(1,045)	613	(432)	358	(74)
1/19/2013	30,310	555	216	1,409	2,800	4,136	22,736	21,412	2,375	23,787	(1,051)	613	(438)	358	(80)
1/26/2013	30,310	555	216	1,063	3,100	3,929	22,989	21,188	2,375	23,563	(574)	613	39	358	397
2/2/2013	30,310	555	216	1,053	3,100	3,308	23,620	20,920	2,375	23,295	325	613	938	358	1,296
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	2,072	3,100	2,280	23,629	20,627	2,375	23,002	627	613	1,240	358	1,598
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	1,895	2,200	1,198	25,788	19,282	2,375	21,657	4,131	613	4,744	358	5,102
3/9/2013	30,310	555	216	2,379	2,200	597	25,905	19,085	2,375	21,460	4,445	613	5,058	358	5,416
3/16/2013	30,310	555	216	1,833	2,200	336	26,712	18,718	2,375	21,093	5,619	613	6,232	358	6,590
3/23/2013	30,310	555	216	2,654	2,200	0	26,227	18,150	2,375	20,525	5,702	613	6,315	358	6,673
3/30/2013	30,125	555	216	3,097	2,700	0	25,099	17,638	2,375	20,013	5,086	613	5,699	358	6,057
4/6/2013	30,125	555	216	3,924	2,700	0	24,272	17,385	2,375	19,760	4,512	613	5,125	358	5,483
4/13/2013	30,125	555	216	6,039	2,700	0	22,157	16,873	2,375	19,248	2,909	613	3,522	358	3,880
4/20/2013	30,125	555	216	4,538	2,700	0	23,658	16,607	2,375	18,982	4,676	613	5,289	358	5,647
4/27/2013	30,125	555	216	3,543	3,400	0	23,953	16,580	2,375	18,955	4,998	613	5,611	358	5,969
5/4/2013	30,125	555	216	3,268	3,400	0	24,228	19,998	2,375	22,373	1,855	613	2,468	358	2,826
5/11/2013	30,125	555	216	3,942	3,400	0	23,554	20,973	2,375	23,348	206	613	819	358	1,177
5/18/2013	30,125	555	216	1,436	3,400	0	26,060	21,878	2,375	24,253	1,807	613	2,420	358	2,778
5/25/2013	30,125	555	216	726	3,400	0	26,770	22,872	2,375	25,247	1,523	613	2,136	358	2,494

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. 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