

Richard Boughton

Outage Coordination

To: NEPOOL Participants

From: Richard Boughton

Subject: 2011-12 First Future Year Annual Maintenance Schedule – Draft #2

Date: April 15, 2011

Following this transmittal letter, you will find the 2011-12 Annual Maintenance Schedule (AMS) – Draft #2 dated April 15, 2011, with rounded weekly planned outage totals only, and an Operable Capacity Analysis (with forecasted external transactions) for June 2011 through May 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 – DRAFT #2 - DATED APRIL 15, 2011

Draft #2 of the 2011-12 AMS - dated April 15, 2011 reflects all planned maintenance requests for June 2011- May 2012 that have been submitted to the ISO through April 13, 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 June 2011 through May 2012 presently forecasts the lowest Long Term Operable Capacity Margin, LTOCM, of negative 2,680 MW for week beginning June 4th.

Peak Load Exposures (PLE)

After being adjusted for Other Demand Resources, ODR, the Peak Load Exposure (PLE) for the summer and winter of 2011-12 is 26,776 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 April 13, 2011 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 2011-12 AMS.

<u>Unplanned Outage Allotment</u>

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

ISO-NE 2010 OPERABLE CAPACITY ANALYSIS

April 15, 2011 - 50/50 FORECAST

eek. It is not expected that the system peak will occur every week during June, July, and Aug

STUDY WEEK (Week Beginning, Saturday) 11 28,476 6/4/2011 28,476 6/4/2011 28,476 6/4/2011 28,481 6/11/2011 28,481 6/11/2011 28,481 6/12/2011 28,325 7/2/2011 28,332 7/9/2011 28,332 7/9/2011 28,339 7/23/2011 28,339 8/20/2011 28,331 8/13/2011 28,330 8/20/2011 28,333 8/20/2011 28,333 8/20/2011 28,333 8/20/2011 28,333 8/20/2011 28,333 8/20/2011 28,339 9/10/2011 28,339 9/10/2011 28,339 9/3/2011 28,339 9/10/2011 30,406 10/15/2011 30,406 10/15/2011 30,406 10/15/2011 30,628 10/22/2011 30,628 10/22/2011 30,628 10/22/2011 30,628 10/22/2011 30,404 11/12/2011 30,240 11/12/2011 30,240 11/12/2011 29,946 11/26/2011 29,946 12/31/2011 29,966 12/21/2011 29,866 12/21/2011 29,866 12/21/2012 29,775 1/14/2012 29,775 1/14/2012 29,775 1/14/2012 29,650 2/11/2012 29,660 3/3/2012 29,669 3/17/2012 29,669	EXTERNAL NODE AVAIL CAPACITY MW [2] 939 939 939 939 939 939 939 939 939 93					OPCAP SUPPLY							OPCAP MARGINS				
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6/18/2011 28,481 6/25/2011 28,325 7/12/2011 28,325 7/12/2011 28,333 7/16/2011 28,333 7/16/2011 28,333 7/16/2011 28,333 8/10/2011 28,333 8/10/2011 28,333 8/10/2011 28,333 8/20/2011 28,333 8/20/2011 28,333 8/20/2011 28,333 8/20/2011 28,333 9/10/2011 28,333 9/10/2011 28,333 9/10/2011 28,339 9/3/2011 28,339 9/3/2011 28,339 9/3/2011 30,304 10/2011 30,470 10/8/2011 30,470 10/8/2011 30,406 10/15/2011 30,406 10/15/2011 30,406 11/16/2011 30,406 11/16/2011 30,404 11/17/2011 30,404 11/17/2011 30,404 11/17/2011 30,404 11/17/2011 30,404 11/17/2011 29,848 11/26/2011 29,848 11/26/2011 29,848 11/26/2011 29,848 11/26/2011 29,849 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2012 29,969 2/25/2012 29,690 3/3/2012 29,690 3/10/2012 29,690 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695	939 939 939 939 939 939 939 939 939 939		0	532	2,800	0	26.090	26,766	2,000	28,766	(2,680)	550	(2,130)	375	(1,755)		
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7/2/2011 28,328 7/9/2011 28,333 7/16/2011 28,333 7/16/2011 28,335 7/16/2011 28,335 8/6/2011 28,333 8/6/2011 28,333 8/12/2011 28,333 8/27/2011 28,333 8/27/2011 28,333 8/27/2011 28,339 9/3/2011 28,339 9/3/2011 28,339 9/10/2011 28,339 9/10/2011 30,339 9/10/2011 30,400 10/15/2011 30,470 10/8/2011 30,470 10/8/2011 30,460 10/15/2011 30,542 10/22/2011 30,542 10/22/2011 30,542 10/22/2011 30,542 11/15/2011 30,304 11/12/2011 30,240 11/19/2011 29,946 11/16/2011 29,946 11/16/2011 29,946 12/31/2011 29,960 12/31/2011 29,975 11/16/2012 29,774 1/24/2012 29,774 1/24/2012 29,690 2/16/2012 29,690 2/16/2012 29,690 2/16/2012 29,690 2/16/2012 29,690 3/31/2012 29,685 3/10/2012 29,685 3/10/2012 29,685 3/10/2012 29,685 3/10/2012 29,685	939 939 939 939 939 939 939		0	255	2,800	0	26,210	26,766	2,000	28,766	(2,560)	550	(2,010)	375	(1,635)		
7/9/2011 28,333 7/16/2011 28,339 7/16/2011 28,339 7/23/2011 28,335 8/6/2011 28,331 8/13/2011 28,331 8/13/2011 28,331 8/13/2011 28,333 8/20/2011 28,333 8/20/2011 28,333 8/20/2011 28,339 9/3/2011 28,339 9/3/2011 28,339 9/10/2011 28,353 9/10/2011 30,450 10/2011 30,470 10/12/2011 30,470 10/12/2011 30,406 10/15/2011 30,406 10/15/2011 30,542 10/29/2011 30,542 10/29/2011 30,404 11/12/2011 30,404 11/12/2011 30,404 11/12/2011 30,406 11/12/2011 30,406 11/12/2011 30,406 11/12/2011 30,406 11/12/2011 29,946 11/26/2011 29,848 11/26/2011 29,848 11/26/2011 29,848 12/3/2011 29,849 12/24/2011 29,860 12/31/2011 29,775 11/12/2012 29,775 11/12/2012 29,775 11/12/2012 29,650 2/11/2012 29,660 2/11/2012 29,660 2/11/2012 29,660 2/11/2012 29,660 3/10/2012 29,680 3/10/2012 29,685 3/10/2012 29,685	939 939 939 939 939		0	193	2,100	0	26,970	26,766	2,000	28,766	(1,800)	550	(1,250)	375	(875)		
7/23/2011 28,328 7/30/2011 28,335 8/6/2011 28,335 8/6/2011 28,331 8/13/2011 28,333 8/27/2011 28,333 8/27/2011 28,339 9/3/2011 28,339 9/10/2011 28,339 9/10/2011 28,365 9/10/2011 28,605 9/24/2011 28,770 10/8/2011 30,470 10/8/2011 30,470 10/8/2011 30,628 10/22/2011 30,628 10/22/2011 30,632 10/22/2011 30,632 11/12/2011 30,240 11/15/2011 30,240 11/15/2011 30,240 11/15/2011 30,240 11/15/2011 29,946 11/26/2011 29,946 12/31/2011 29,946 12/31/2011 29,806 12/31/2011 29,806 12/31/2011 29,775 17/2012 29,775 17/2012 29,775 1/14/2012 29,774 1/28/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 3/31/2012 29,685 3/10/2012 29,685 3/10/2012 29,685 3/10/2012 29,685 3/10/2012 29,685	939 939 939 939		0	226	2,100	0	26,950	26,766	2.000	28.766	(1.820)	550	(1,270)	375	(895)		
7/30/2011 28,335 8/6/2011 28,331 8/13/2011 28,330 8/20/2011 28,333 8/20/2011 28,333 8/20/2011 28,333 8/27/2011 28,339 9/3/2011 28,338 9/10/2011 28,338 9/10/2011 28,605 9/24/2011 28,770 10/1/2011 30,470 10/8/2011 30,470 10/8/2011 30,466 10/15/2011 30,466 10/15/2011 30,542 10/22/2011 30,542 10/22/2011 30,542 11/19/2011 30,240 11/19/2011 30,240 11/19/2011 29,946 11/26/2011 29,848 12/3/2011 30,005 12/10/2011 29,848 12/3/2011 29,848 12/3/2011 29,860 12/17/2012 29,775 1/14/2012 29,775 1/14/2012 29,775 1/14/2012 29,670 1/21/2012 29,650 2/11/2012 29,660 2/18/2012 29,690 2/15/2012 29,690 3/10/2012 29,680 3/10/2012 29,685 3/10/2012 29,685 3/10/2012 29,685 3/10/2012 29,685	939 939 939	28,	0	226	2,100	0	26,950	26,766	2,000	28,766	(1,820)	550	(1,270)	375	(895)		
7/30/2011 28,335 8/6/2011 28,331 8/13/2011 28,330 8/20/2011 28,333 8/20/2011 28,333 8/20/2011 28,333 8/27/2011 28,339 9/3/2011 28,338 9/10/2011 28,338 9/10/2011 28,605 9/24/2011 28,770 10/1/2011 30,470 10/8/2011 30,470 10/8/2011 30,466 10/15/2011 30,466 10/15/2011 30,542 10/22/2011 30,542 10/22/2011 30,542 11/19/2011 30,240 11/19/2011 30,240 11/19/2011 29,946 11/26/2011 29,848 12/3/2011 30,005 12/10/2011 29,848 12/3/2011 29,848 12/3/2011 29,860 12/17/2012 29,775 1/14/2012 29,775 1/14/2012 29,775 1/14/2012 29,670 1/21/2012 29,650 2/11/2012 29,660 2/18/2012 29,690 2/15/2012 29,690 3/10/2012 29,680 3/10/2012 29,685 3/10/2012 29,685 3/10/2012 29,685 3/10/2012 29,685	939 939 939	28.	0	242	2,100	0	26,930	26,766	2,000	28,766	(1,840)	550	(1,290)	375	(915)		
8/13/2011 28,330 8/20/2011 28,333 8/27/2011 28,333 8/27/2011 28,338 9/10/2011 28,338 9/10/2011 28,338 9/10/2011 28,338 9/10/2011 28,353 9/17/2011 28,605 10/12/2011 30,406 10/12/2011 30,406 10/12/2011 30,406 10/12/2011 30,404 11/5/2011 30,304 11/5/2011 30,304 11/5/2011 30,304 11/5/2011 30,304 11/5/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/21/2011 29,946 11/21/2011 29,946 12/24/2011 29,946 12/24/2011 29,950 12/17/2012 29,755 1/14/2012 29,775 1/14/2012 29,775 1/14/2012 29,774 1/28/2012 29,690 2/11/2012 29,690 2/18/2012 29,690 2/18/2012 29,690 2/18/2012 29,690 3/3/2012 29,690 3/10/2012 29,685 3/10/2012 29,685 3/10/2012 29,685	939		0	211	2,100	0	26,960	26,766	2,000	28,766	(1,810)	550	(1,260)	375	(885)		
8/13/2011 28,330 8/20/2011 28,333 8/27/2011 28,333 8/27/2011 28,338 9/10/2011 28,338 9/10/2011 28,338 9/10/2011 28,338 9/10/2011 28,353 9/17/2011 28,605 10/12/2011 30,406 10/12/2011 30,406 10/12/2011 30,406 10/12/2011 30,404 11/5/2011 30,304 11/5/2011 30,304 11/5/2011 30,304 11/5/2011 30,304 11/5/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/26/2011 29,946 11/21/2011 29,946 11/21/2011 29,946 12/24/2011 29,946 12/24/2011 29,950 12/17/2012 29,755 1/14/2012 29,775 1/14/2012 29,775 1/14/2012 29,774 1/28/2012 29,690 2/11/2012 29,690 2/18/2012 29,690 2/18/2012 29,690 2/18/2012 29,690 3/3/2012 29,690 3/10/2012 29,685 3/10/2012 29,685 3/10/2012 29,685	-	28.	0	201	2,100	0	26,970	26,766	2,000	28,766	(1,800)	550	(1,250)	375	(875)		
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8/27/2011 28,339 9/3/2011 28,338 9/10/2011 28,338 9/10/2011 28,353 9/10/2011 28,605 9/24/2011 28,770 10/1/2011 30,470 10/8/2011 30,406 10/15/2011 30,542 10/22/2011 30,542 10/22/2011 30,542 11/5/2011 30,304 11/15/2011 30,304 11/15/2011 30,240 11/19/2011 29,946 11/26/2011 29,848 12/3/2011 29,848 12/3/2011 29,806 12/10/2011 29,971 12/17/2012 29,775 1/14/2012 29,775 1/14/2012 29,774 1/28/2012 29,650 2/11/2012 29,690 2/11/2012 29,690 2/16/2012 29,690 3/3/2012 29,690 3/10/2012 29,690 3/10/2012 29,685 3/10/2012 29,689 3/10/2012 29,689	555		0	224	2,100	0	26,950	26,766	2,000	28,766	(1,820)	550	(1,270)	375	(895)		
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9/10/2011 28,353 9/17/2011 28,605 9/24/2011 28,770 10/1/2011 30,470 10/8/2011 30,406 10/15/2011 30,628 10/22/2011 30,628 10/22/2011 30,542 10/29/2011 30,404 11/5/2011 30,304 11/5/2011 30,304 11/15/2011 29,946 11/26/2011 29,946 11/26/2011 29,848 12/3/2011 29,848 12/3/2011 29,861 12/10/2011 29,901 12/17/2011 29,806 12/24/2011 29,901 12/17/2012 29,775 17/4/2012 29,775 17/4/2012 29,775 17/4/2012 29,774 1/28/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/18/2012 29,690 2/18/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/10/2012 29,689 3/10/2012 29,689 3/10/2012 29,689 3/10/2012 29,689 3/10/2012 29,689 3/10/2012 29,689 3/10/2012 29,689 3/10/2012 29,689	939		0	269	2,100	0	26,910	26,766	2,000	28,766	(1,860)	550	(1,310)	375	(935)		
9/17/2011 28,605 9/24/2011 28,770 10/1/2011 30,470 10/8/2011 30,470 10/8/2011 30,466 10/15/2011 30,542 10/22/2011 30,542 10/22/2011 30,542 11/15/2011 30,304 11/15/2011 30,240 11/15/2011 30,240 11/19/2011 29,848 12/3/2011 29,848 12/3/2011 29,806 12/10/2011 29,906 12/11/2011 29,806 12/24/2011 29,806 12/31/2011 29,774 1/17/2012 29,775 1/17/2012 29,774 1/24/2012 29,630 2/14/2012 29,630 2/14/2012 29,630 2/14/2012 29,630 2/14/2012 29,630 2/14/2012 29,630 3/3/2012 29,630 3/3/2012 29,630 3/10/2012 29,635 3/10/2012 29,635	939		0	838	2,100	0	26,350	26,766	2,000	28,766	(2,420)	550	(1,870)	375	(1,495)		
9/24/2011 28,770 10/1/2011 30,470 10/8/2011 30,406 10/15/2011 30,406 10/15/2011 30,628 10/22/2011 30,542 10/22/2011 30,542 11/29/2011 30,304 11/15/2011 30,304 11/12/2011 29,946 11/26/2011 29,848 12/3/2011 29,801 12/17/2011 29,806 12/31/2011 29,806 12/31/2011 29,775 11/12/2012 29,775 11/4/2012 29,775 11/4/2012 29,774 1/28/2012 29,650 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/10/2012 29,695 3/10/2012 29,685 3/10/2012 29,685	939	_	0	2,365	2,100	0	25,080	22,818	2,000	24,818	260	550	810	375	1,185		
10/1/2011 30,470 10/8/2011 30,406 10/15/2011 30,406 10/15/2011 30,542 10/22/2011 30,542 10/29/2011 30,404 11/5/2011 30,304 11/5/2011 30,304 11/15/2011 29,946 11/16/2011 29,946 11/26/2011 29,960 12/21/2011 29,961 12/17/2011 29,806 12/24/2011 29,806 12/24/2011 29,775 17/12012 29,775 17/12012 29,774 1/21/2012 29,774 1/28/2012 29,690 2/11/2012 29,690 2/18/2012 29,690 2/18/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/10/2012 29,689 3/10/2012 29,689 3/10/2012 29,689 3/10/2012 29,689	939		0	3,519	2,100	0	24,090	22,727	2,000	24,727	(640)	550	(90)	375	285		
10/8/2011 30,406 10/15/2011 30,628 10/22/2011 30,542 10/22/2011 30,542 10/29/2011 30,404 11/5/2011 30,304 11/12/2011 30,240 11/12/2011 29,946 11/26/2011 29,961 12/10/2011 29,901 12/10/2011 29,806 12/24/2011 29,806 12/24/2011 29,806 12/24/2011 29,775 17/2012 29,775 17/2012 29,774 1/28/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/18/2012 29,690 2/25/2012 29,690 3/3/2012 29,690 3/3/2012 29,695 3/10/2012 29,685 3/10/2012 29,685 3/10/2012 29,685 3/10/2012 29,685 3/10/2012 29,685	493		0	5,771	2,800	0	22,390	16,715	2.000	18.715	3.670	550	4.220	375	4.595		
10/22/2011 30,542 10/29/2011 30,404 11/5/2011 30,304 11/15/2011 30,240 11/19/2011 29,946 11/26/2011 29,848 12/3/2011 29,801 12/10/2011 29,806 12/24/2011 29,806 12/24/2011 29,775 11/12/012 29,775 11/12/012 29,775 11/12/012 29,774 1/21/2012 29,774 1/21/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 3/10/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695	493		0	7,124	2,800	0	20,970	16,751	2.000	18.751	2.220	550	2,770	375	3,145		
10/22/2011 30,542 10/29/2011 30,404 11/5/2011 30,304 11/15/2011 30,240 11/19/2011 29,946 11/26/2011 29,848 12/3/2011 29,801 12/10/2011 29,806 12/24/2011 29,806 12/24/2011 29,775 11/12/012 29,775 11/12/012 29,775 11/12/012 29,774 1/21/2012 29,774 1/21/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 3/10/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695	493	30.	0	8,108	2,800	0	20,210	17,677	2,000	19,677	530	550	1,080	375	1,455		
11/5/2011 30,304 11/12/2011 30,240 11/19/2011 29,946 11/26/2011 29,848 12/3/2011 30,005 12/10/2011 29,901 12/10/2011 29,806 12/24/2011 29,806 12/24/2011 29,806 12/31/2011 29,775 117/2012 29,775 11/4/2012 29,774 1/24/2012 29,774 1/24/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695	493		0	7,066	2,800	0	21,170	18,042	2,000	20,042	1,130	550	1,680	375	2,055		
11/5/2011 30,304 11/12/2011 30,240 11/19/2011 29,946 11/26/2011 29,848 12/3/2011 30,005 12/10/2011 29,901 12/10/2011 29,806 12/24/2011 29,806 12/24/2011 29,806 12/31/2011 29,775 117/2012 29,775 11/4/2012 29,774 1/24/2012 29,774 1/24/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695	493		0	6.497	3,600	0	20,800	18,248	2,000	20,248	550	550	1,100	375	1,475		
11/19/2011 29,946 11/26/2011 29,848 12/3/2011 30,005 12/10/2011 29,901 12/17/2011 29,806 12/24/2011 29,806 12/24/2011 29,775 1/7/2012 29,775 1/7/2012 29,775 1/14/2012 29,774 1/21/2012 29,650 2/14/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/15/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/10/2012 29,690 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695	493	30,	0	5,483	3,600	0	21,710	18,364	2,000	20,364	1,350	550	1,900	375	2,275		
11/26/2011 29,848 12/3/2011 30,005 12/10/2011 29,901 12/17/2011 29,806 12/24/2011 29,806 12/31/2011 29,775 1/7/2012 29,775 1/14/2012 29,774 1/21/2012 29,630 2/14/2012 29,630 2/14/2012 29,630 2/11/2012 29,630 2/18/2012 29,630 2/18/2012 29,630 3/3/2012 29,630 3/3/2012 29,630 3/10/2012 29,635 3/10/2012 29,635 3/10/2012 29,635	493	30,	0	4,147	3,600	0	22,990	18,709	2,000	20,709	2,280	550	2,830	375	3,205		
11/26/2011 29,848 12/3/2011 30,005 12/10/2011 29,901 12/17/2011 29,806 12/24/2011 29,806 12/31/2011 29,775 1/7/2012 29,775 1/14/2012 29,774 1/21/2012 29,630 2/14/2012 29,630 2/14/2012 29,630 2/11/2012 29,630 2/18/2012 29,630 2/18/2012 29,630 3/3/2012 29,630 3/3/2012 29,630 3/10/2012 29,635 3/10/2012 29,635 3/10/2012 29,635	493		0	2,351	3,600	0	24,490	19,448	2.000	21,448	3.040	550	3,590	375	3,965		
12/3/2011 30,005 12/10/2011 29,901 12/17/2011 29,806 12/24/2011 29,806 12/31/2011 29,775 17/2012 29,775 17/2012 29,774 1/21/2012 29,774 1/28/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/11/2012 29,690 2/18/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/10/2012 29,695 3/10/2012 29,695	493		0	2,313	3,600	0	24,430	20,169	2,000	22,169	2,260	550	2,810	375	3,185		
12/10/2011 29,901 12/17/2011 29,806 12/24/2011 29,806 12/31/2011 29,775 17/2012 29,775 1/14/2012 29,775 1/14/2012 29,774 1/21/2012 29,652 2/4/2012 29,690 2/11/2012 29,690 2/18/2012 29,690 2/18/2012 29,690 2/25/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/10/2012 29,695 3/10/2012 29,695	493		0	2,265	3,200	0	25.030	20,383	2,000	22,383	2,650	550	3,200	375	3,575		
12/17/2011 29,806 12/24/2011 29,806 12/31/2011 29,775 17/2012 29,775 1/14/2012 29,774 1/21/2012 29,774 1/21/2012 29,650 2/4/2012 29,650 2/11/2012 29,690 2/18/2012 29,690 2/18/2012 29,690 2/25/2012 29,690 3/3/2012 29,716 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695	493	/	0	1,133	3,200	0	26,060	20,673	2,000	22,673	3,390	550	3,940	375	4,315		
12/24/2011 29,806 12/31/2011 29,775 1/7/2012 29,775 1/14/2012 29,774 1/21/2012 29,774 1/22/2012 29,650 2/4/2012 29,650 2/14/2012 29,690 2/11/2012 29,690 2/18/2012 29,690 2/25/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/3/2012 29,690 3/10/2012 29,695 3/10/2012 29,695	493		0	758	3,200	0	26,340	20,684	2,000	22,684	3,660	550	4,210	375	4,585		
12/31/2011 29,775 17/2012 29,775 17/4/2012 29,774 1/21/2012 29,774 1/24/2012 29,652 24/4/2012 29,650 2/11/2012 29,650 2/18/2012 29,690 2/25/2012 29,690 3/3/2012 29,716 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695	493		0	758	3,200	0	26,340	20,746	2,000	22,746	3,590	550	4,140	375	4,515		
1/7/2012 29,775 1/14/2012 29,774 1/21/2012 29,774 1/28/2012 29,652 2/4/2012 29,650 2/1/2012 29,690 2/18/2012 29,690 2/18/2012 29,690 2/25/2012 29,690 3/3/2012 29,716 3/10/2012 29,695 3/10/2012 29,695 3/10/2012 29,695	493	_	0	564	2,800	0	26,900	21.020	2.000	23.020	3.880	550	4.430	375	4,805		
1/21/2012 29,774 1/28/2012 29,652 2/4/2012 29,650 2/11/2012 29,690 2/18/2012 29,690 2/25/2012 29,690 3/3/2012 29,716 3/3/2012 29,695 3/10/2012 29,695 3/17/2012 29,657	493		0	564	2,800	0	26,900	21,485	2,000	23,485	3,410	550	3,960	375	4,335		
1/21/2012 29,774 1/28/2012 29,652 2/4/2012 29,650 2/11/2012 29,690 2/18/2012 29,690 2/25/2012 29,690 3/3/2012 29,716 3/3/2012 29,695 3/10/2012 29,695 3/17/2012 29,657	493	_	0	562	2,800	0	26,900	21,485	2,000	23,485	3,410	550	3,960	375	4,335		
1/28/2012 29,652 2/4/2012 29,690 2/11/2012 29,690 2/18/2012 29,690 2/25/2012 29,690 3/3/2012 29,716 3/10/2012 29,895 3/17/2012 29,657	493		0	562	2,800	0	26,900	21,485	2,000	23,485	3,410	550	3,960	375	4,335		
2/4/2012 29,690 2/11/2012 29,690 2/18/2012 29,690 2/25/2012 29,690 3/3/2012 29,716 3/10/2012 29,695 3/17/2012 29,657	493		0	270	3,100	0	26,770	21,262	2,000	23,262	3,510	550	4,060	375	4,435		
2/18/2012 29,690 2/25/2012 29,690 3/3/2012 29,716 3/10/2012 29,695 3/17/2012 29,657	493	29,	0	519	3,100	0	26,560	20,995	2,000	22,995	3,560	550	4,110	375	4,485		
2/25/2012 29,690 3/3/2012 29,716 3/10/2012 29,695 3/17/2012 29,657	493	29,	0	519	3,100	0	26,560	20,966	2,000	22,966	3,590	550	4,140	375	4,515		
3/3/2012 29,716 3/10/2012 29,695 3/17/2012 29,657	493	29,	0	519	3,100	0	26,560	20,704	2,000	22,704	3,860	550	4,410	375	4,785		
3/3/2012 29,716 3/10/2012 29,695 3/17/2012 29,657	493	29.	0	519	3,100	0	26,560	19,716	2,000	21,716	4,840	550	5,390	375	5,765		
3/17/2012 29,657	493		0	683	2,200	0	27,330	19,366	2,000	21,366	5,960	550	6,510	375	6,885		
3/17/2012 29,657	493	29.	0	957	2,200	0	27,030	19,170	2,000	21,170	5,860	550	6,410	375	6,785		
	493		0	707	2,200	0	27,240	18,806	2,000	20,806	6,430	550	6,980	375	7,355		
3/24/2012 29,093	493		0	954	2,200	0	27,030	18,240	2,000	20,240	6,790	550	7,340	375	7,715		
3/31/2012 29,617			0	1,656	2,700	0	25,750	17,732	2,000	19,732	6,020	550	6,570	375	6,945		
4/7/2012 29,488	493	29,	0	517	2,700	0	26,760	17,481	2,000	19,481	7,280	550	7,830	375	8,205		
4/14/2012 29,488	493	29,	0	517	2,700	0	26,760	16,971	2,000	18,971	7,790	550	8,340	375	8,715		
4/21/2012 29,566		29,	0	1,078	2,700	0	26,280	16,706	2,000	18,706	7,570	550	8,120	375	8,495		
4/28/2012 29,566	493	29,	0	1,078	3,400	0	25,580	16,680	2,000	18,680	6,900	550	7,450	375	7,825		
5/5/2012 29,495	493 493	29,	0	541	3,400	0	26,050	20,442	2,000	22,442	3,610	550	4,160	375	4,535		
5/12/2012 29,498	493 493 493	29,	0	667	3,400	0	25,920	21,428	2,000	23,428	2,490	550	3,040	375	3,415		
5/19/2012 29,466	493 493 493 493	29,	0	173	3,400	0	26,390	22,344	2,000	24,344	2,050	550	2,600	375	2,975		
5/26/2012 29,453	493 493 493 493 493	29,	0	0	3,400	0	26,550	23,350	2,000	25,350	1,200	550	1,750	375	2,125		

1. Available UPCAP MW based on resource Capacity Supply Obligations, CSO, from Forward Capacity Tracking System, Fol S. 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.

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^{3.} New resources that have not yet acquired a LSO but will become commercial in the tuture.
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 System Operating Procedure OUTSCH.0030.0040,
Perform Generation Outage Coordination - Long Term (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)

Itolal Load Obligation per tine formula (8 + 9 = 10)
 Net OPCAP Supply minus Net Load Obligation (7 - 10 = 11)
 OP 4 Action 2 Real-time Demand Response based on OP4 Appendix A. Reserve Margins and Distribution Loss Factor Gross Ups are Included.
 OPCAP Margin taking into account Real Time Demand Response through OP4 Step 2 (11 + 12 = 13).

^{13.} 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.

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

