

Patrick Boughan

Outage Coordination

To: NEPOOL Participants

From: Patrick Boughan

Subject: 2012-13 First Future Year Annual Maintenance Schedule – Draft #1

Date: February 15, 2012

Following this transmittal letter, you will find the 2012-13 First Future Year Annual Maintenance Schedule (AMS) – Draft #1 dated February 15, 2012, with planned outage totals, and a rounded weekly Operable Capacity Analysis for June 1, 2012 through May 31, 2013. This schedule covers the third Forward Capacity Market procurement period. Periodically, individual Market 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 - DRAFT #1 - DATED FEBRUARY 15, 2012

Draft #1 of the 2012-13 AMS - dated February 15, 2012 reflects all planned maintenance requests for June 2012- May 2013 that have been submitted to the ISO through February 13, 2011. 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 June 1, 2012 through May 31, 2013 presently forecasts the lowest Long Term Operable Capacity Margin, LTOCM, of negative 2,140 MW for week beginning June 16th. Please note that there may be generation outages due to gas pipeline outages that are currently tentatively scheduled for some weeks in late-spring, summer, and early-fall of 2012 that may further decrease the operable capacity margin.

Peak Load Exposures (PLE)

After being adjusted for Other Demand Resources, ODR, the Peak Load Exposure (PLE) for the summer and winter of 2012-13 are 27,135 MW and 21,421 MW respectively, 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 February 13, 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 2,100 MW to 3,600 MW during the winter and summer months.

ISO New England Inc. www.iso-ne.com

2012-2013 First Future Year Annual Maintenance Schedule – Draft #1 Page 2 of 2

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 2012-13 AMS or Operable Capacity Analysis, or if you have any comments or suggestions please feel free to contact Patrick Boughan at (413) 540-4712 or Rachel Wilkins-Thurman at (413) 540-4261 or Richard Boughton at (413) 540-4752 or by email at opamoreq@iso-ne.com.

ISO New England Inc. www.iso-ne.com

ISO-NE 2012-13 OPERABLE CAPACITY ANALYSIS

February 15 , 2012 - 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 and Mid September.

| | OPCAP SUPPLY | | | | | | | | LOAD OBLIGATIONS | | | OPCAP MARGINS | | | | | |
|-----------------------------|-----------------------|--|----------------------------------|--------------------|---|--|------------------------|-----------------------------|---------------------------------------|------------------------------|--------------------|--|---|---|---|--|--|
| STUDY WEEK (Week Beginning, | 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 REQUIREME NT 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 | | |
| Saturday) | [1] | [2] | [3] | [4] | [5] | [6] | [7] | [8] | [9] | [10] | [11] | [12] | [13] | [14] | [15] | | |
| 5/26/2012 | 29,110 | 857 | 0 | 142 | 2,800 | 0 | 27,020 | 27,135 | 2,000 | 29,135 | (2,120) | 500 | (1,620) | 350 | (1,270) | | |
| 6/2/2012 | 29,110 | 857 | 0 | 152 | 2,800 | 0 | 27,020 | 27,135 | 2,000 | 29,135 | (2,120) | 500 | (1,620) | 350 | (1,270) | | |
| 6/9/2012 | 29,110 | 857 | 0 | 146 | 2,800 | 0 | 27,020 | 27,135 | 2,000 | 29,135 | (2,120) | 500 | (1,620) | 350 | (1,270) | | |
| 6/16/2012 | 29,109 | 857 | 0 | 165 | 2,800 | 0 | 27,000 | 27,135 | 2,000 | 29,135 | (2,140) | 500 | (1,640) | 350 | (1,290) | | |
| 6/23/2012 | 29,109 | 857 | 0 | 145 | 2,800 | 0 | 27,020 | 27,135 | 2,000 | 29,135 | (2,120) | 500 | (1,620) | 350 | (1,270) | | |
| 6/30/2012 | 29,105 | 857 | 0 | 142 | 2,100 | 0 | 27,720 | 27,135 | 2,000 | 29,135 | (1,420) | 500 | (920) | 350 | (570) | | |
| 7/7/2012 | 29,109 | 857 | 0 | 188 | 2,100 | 0 | 27,680 | 27,135 | 2,000 | 29,135 | (1,460) | 500 | (960) | 350 | (610) | | |
| 7/14/2012 | 29,116 | 857 | 0 | 177 | 2,100 | 0 | 27,700 | 27,135 | 2,000 | 29,135 | (1,440) | 500 | (940) | 350 | (590) | | |
| 7/21/2012 | 29,122 | 857 | 0 | 185 | 2,100 | 0 | 27,690 | 27,135 | 2,000 | 29,135 | (1,450) | 500 | (950) | 350 | (600) | | |
| 7/28/2012 | 29,110 | 857 | 0 | 172 | 2,100 | 0 | 27,690 | 27,135 | 2,000 | 29,135 | (1,450) | 500 | (950) | 350 | (600) | | |
| 8/4/2012 | 29,113 | 857 | 0 | 144 | 2,100 | 0 | 27,730 | 27,135 | 2,000 | 29,135 | (1,410) | 500 | (910) | 350 | (560) | | |
| 8/11/2012 | 29,115 | 857 | 0 | 150 | 2,100 | 0 | 27,720 | 27,135 | 2,000 | 29,135 | (1,420) | 500 | (920) | 350 | (570) | | |
| 8/18/2012 | 29,115 | 857 | 0 | 152 | 2,100 | 0 | 27,720 | 27,135 | 2,000 | 29,135 | (1,420) | 500 | (920) | 350 | (570) | | |
| 8/25/2012 | 29,128 | 857 | 0 | 166 | 2,100 | 0 | 27,720 | 27,135 | 2,000 | 29,135 | (1,420) | 500 | (920) | 350 | (570) | | |
| 9/1/2012 | 29,129 | 857 | 0 | 196 | 2,100 | 0 | 27,690 | 27,135 | 2,000 | 29,135 | (1,450) | 500 | (950) | 350 | (600) | | |
| 9/8/2012 | 29,138 | 857 | 0 | 290 | 2,100 | 0 | 27,600 | 27,135 | 2,000 | 29,135 | (1,540) | 500 | (1,040) | 350 | (690) | | |
| 9/15/2012 | 29,284 | 857 | 0 | 1,892 | 2,100 | 0 | 26,150 | 23,109 | 2,000 | 25,109 | 1,040 | 500 | 1,540 | 350 | 1,890 | | |
| 9/22/2012 | 29,314 | 857 | 0 | 2,729 | 2,100 | 0 | 25,340 | 23,016 | 2,000 | 25,016 | 320 | 500 | 820 | 350 | 1,170 | | |
| 9/29/2012 | 29,796 | 657 | 0 | 4,408 | 2,800 | 0 | 23,240 | 16,626 | 2,000 | 18,626 | 4,610 | 500 | 5,110 | 350 | 5,460 | | |
| 10/6/2012 | 29,953 | 657 | 0 | 5,193 | 2,800 | 0 | 22,620 | 16,661 | 2,000 | 18,661 | 3,960 | 500 | 4,460 | 350 | 4.810 | | |
| 10/13/2012 | 30,166 | 657 | 0 | 6,532 | 2,800 | 0 | 21,490 | 17,592 | 2,000 | 19,592 | 1,900 | 500 | 2,400 | 350 | 2,750 | | |
| 10/20/2012 | 30,374 | 657 | 0 | 5,964 | 2,800 | 0 | 22,270 | 17,959 | 2,000 | 19,959 | 2,310 | 500 | 2,810 | 350 | 3,160 | | |
| 10/27/2012 | 29,795 | 657 | 0 | 4,619 | 3,600 | 0 | 22,230 | 18,167 | 2,000 | 20,167 | 2,060 | 500 | 2,560 | 350 | 2,910 | | |
| 11/3/2012 | 30,030 | 657 | 0 | 5,012 | 3,600 | 0 | 22,080 | 18,283 | 2,000 | 20,283 | 1,800 | 500 | 2,300 | 350 | 2,650 | | |
| 11/10/2012 | 29,653 | 657 | 0 | 1,908 | 3,600 | 0 | 24,800 | 18,630 | 2,000 | 20,630 | 4,170 | 500 | 4,670 | 350 | 5,020 | | |
| 11/17/2012 | 29,725 | 657 | 0 | 425 | 3,600 | 0 | 26,360 | 19,372 | 2,000 | 21,372 | 4,990 | 500 | 5,490 | 350 | 5,840 | | |
| 11/24/2012 | 29,638 | 657 | 0 | 1,254 | 3,600 | 0 | 25,440 | 20,097 | 2,000 | 22,097 | 3,340 | 500 | 3,840 | 350 | 4,190 | | |
| 12/1/2012 | 29,653 | 657 | 0 | 350 | 3,200 | 0 | 26,760 | 20,314 | 2,000 | 22,314 | 4,450 | 500 | 4,950 | 350 | 5,300 | | |
| 12/8/2012 | 29,624 | 657 | 0 | 321 | 3,200 | 0 | 26,760 | 20,605 | 2,000 | 22,605 | 4,150 | 500 | 4,650 | 350 | 5,000 | | |
| 12/15/2012 | 29,624 | 657 | 0 | 321 | 3,200 | 0 | 26,760 | 20,616 | 2,000 | 22,616 | 4,140 | 500 | 4,640 | 350 | 4.990 | | |
| 12/22/2012 | 29,624 | 657 | 0 | 321 | 3,200 | 0 | 26,760 | 20,678 | 2,000 | 22,678 | 4,080 | 500 | 4,580 | 350 | 4,930 | | |
| 12/29/2012 | 29,624 | 657 | 0 | 321 | 3,200 | 0 | 26,760 | 20,954 | 2,000 | 22,954 | 3,810 | 500 | 4,310 | 350 | 4,660 | | |
| 1/5/2013 | 29,621 | 657 | 0 | 311 | 2,800 | 2,000 | 25,170 | 21,421 | 2,000 | 23,421 | 1,750 | 500 | 2,250 | 350 | 2,600 | | |
| 1/12/2013 | 29,621 | 657 | 0 | 311 | 2,800 | 2.000 | 25,170 | 21,421 | 2,000 | 23,421 | 1,750 | 500 | 2,250 | 350 | 2,600 | | |
| 1/19/2013 | 29,621 | 657 | 0 | 311 | 2,800 | 2,000 | 25,170 | 21,421 | 2,000 | 23,421 | 1,750 | 500 | 2,250 | 350 | 2,600 | | |
| 1/26/2013 | 29,621 | 657 | 0 | 311 | 3,100 | 2,000 | 24,870 | 21,197 | 2,000 | 23,197 | 1,670 | 500 | 2,170 | 350 | 2,520 | | |
| 2/2/2013 | 29,621 | 657 | 0 | 311 | 3,100 | 2,000 | 24,870 | 20,929 | 2,000 | 22,929 | 1,940 | 500 | 2,440 | 350 | 2,790 | | |
| 2/9/2013 | 29,627 | 657 | 0 | 748 | 3,100 | 2,000 | 24,440 | 20,900 | 2,000 | 22,900 | 1,540 | 500 | 2,040 | 350 | 2,390 | | |
| 2/16/2013 | 29,627 | 657 | 0 | 748 | 3,100 | 2,000 | 24,440 | 20,636 | 2,000 | 22,636 | 1,800 | 500 | 2,300 | 350 | 2,650 | | |
| 2/23/2013 | 29,627 | 657 | 0 | 748 | 3,100 | 0 | 26,440 | 19,643 | 2,000 | 21,643 | 4,800 | 500 | 5,300 | 350 | 5,650 | | |
| 3/2/2013 | 29,627 | 657 | 0 | 748 | 2,200 | 0 | 27,340 | 19,292 | 2,000 | 21,292 | 6,050 | 500 | 6,550 | 350 | 6,900 | | |
| 3/9/2013 | 29,650 | 657 | 0 | 481 | 2,200 | 0 | 27,630 | 19,095 | 2,000 | 21,095 | 6,530 | 500 | 7,030 | 350 | 7,380 | | |
| 3/16/2013 | 29,650 | 657 | 0 | 670 | 2,200 | 0 | 27,440 | 18,728 | 2,000 | 20,728 | 6,710 | 500 | 7,210 | 350 | 7,560 | | |
| 3/23/2013 | 29,626 | 657 | 0 | 421 | 2,200 | 0 | 27,660 | 18,160 | 2,000 | 20,160 | 7,500 | 500 | 8,000 | 350 | 8,350 | | |
| 3/30/2013 | 29,771 | 657 | 0 | 1,929 | 2,700 | 0 | 25,800 | 17,648 | 2,000 | 19,648 | 6,150 | 500 | 6,650 | 350 | 7,000 | | |
| 4/6/2013 | 29,689 | 657 | 0 | 1,969 | 2,700 | 0 | 25,680 | 17,395 | 2,000 | 19,395 | 6,280 | 500 | 6,780 | 350 | 7,130 | | |
| 4/13/2013 | 29,761 | 657 | 0 | 3,201 | 2,700 | 0 | 24,520 | 16,883 | 2,000 | 18,883 | 5,640 | 500 | 6,140 | 350 | 6.490 | | |
| 4/20/2013 | 29,793 | 657 | 0 | 2,326 | 2,700 | 0 | 25,420 | 16,617 | 2,000 | 18,617 | 6,800 | 500 | 7,300 | 350 | 7,650 | | |
| 4/27/2013 | 29,793 | 657 | 0 | 1,288 | 3,400 | 0 | 25,450 | 16,590 | 2,000 | 18,590 | 6,860 | 500 | 7,360 | 350 | 7,710 | | |
| 4/21/2013 | 29,400 | 037 | U | 1,200 | 3,400 | U | 20,400 | 10,590 | 2,000 | 10,390 | 0,000 | 300 | 7,300 | 330 | 7,710 | | |

1 OF 2 2/14/2012 2:25 PM

ISO-NE 2012-13 OPERABLE CAPACITY ANALYSIS

February 15, 2012 - 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 and Mid September.

| | OPCAP SUPPLY | | | | | | | | LOAD OBLIGATIONS | | | OPCAP MARGINS | | | | | |
|-----------------------------|-----------------------|--|----------------------------------|--------------------|---|--|------------------------|-----------------------------|---------------------------------------|------------------------------|--------------------|--|---|---|---|--|--|
| | | | | | | | | | | | | | | | OPCAP MARGIN w/ | | |
| STUDY WEEK (Week Beginning. | 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 REQUIREME NT 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 | OP4 actions through OP4 Step 6 MW | | |
| 5/4/2013 | 29,503 | 657 | 0 | 1,535 | 3,400 | 0 | 25,220 | 20,591 | 2,000 | 22,591 | 2,630 | 500 | 3,130 | 350 | 3,480 | | |
| 5/11/2013 | 29,485 | 657 | 0 | 1,331 | 3,400 | 0 | 25,410 | 21,592 | 2,000 | 23,592 | 1,820 | 500 | 2,320 | 350 | 2,670 | | |
| 5/18/2013 | 29,743 | 657 | 0 | 669 | 3,400 | 0 | 26,330 | 22,522 | 2,000 | 24,522 | 1,810 | 500 | 2,310 | 350 | 2,660 | | |
| 5/25/2013 | 29,451 | 657 | 0 | 206 | 3,400 | 0 | 26,500 | 23,543 | 2,000 | 25,543 | 960 | 500 | 1,460 | 350 | 1,810 | | |

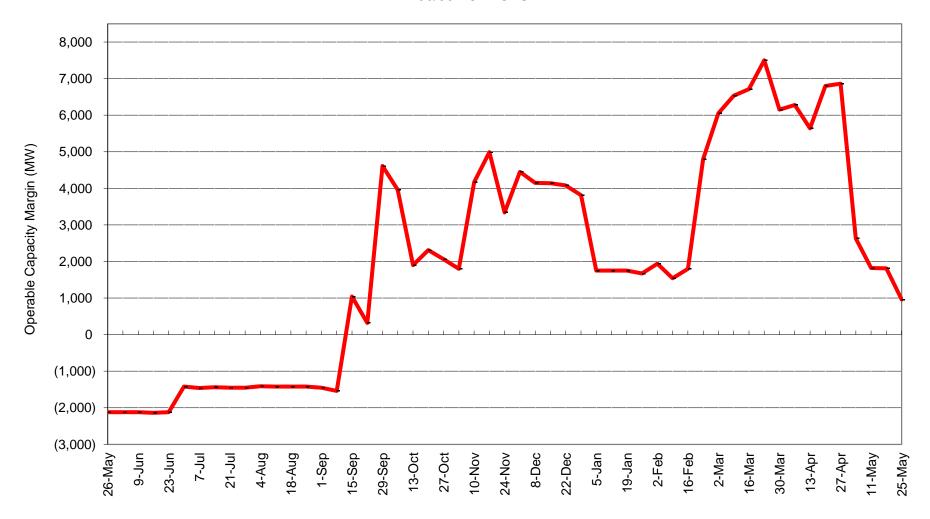
- 1. Available OPCAP MW based on resource Capacity Supply Obligations, CSO, from Forward Capacity Tracking System, FCTS. Does not include Settlement Only Generators.
- (LTOCM application Case Output-System Results-column PreOutage CSO MW)
- 2. External Node Available Capacity MW based on external Capacity 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).

2 OF 2 2/14/2012 2:25 PM

New England Operable Capacity Margins 50/50 FORECAST



June 2012 - May 2013, W/B Saturday