



**Joanne Bialas**  
Outage Coordination

To: NEPOOL Participants

From: Joanne Bialas

**Subject: 2008 Annual Maintenance Schedule – March Edition**

Date: March 5, 2008

Following this transmittal letter, you will find the 2008 Annual Maintenance Schedule (AMS) – March Edition dated March 5, 2008, with rounded weekly planned outage totals only, and an Operable Capacity Analysis (with forecasted external transactions) for 2008. 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.

**2008 AMS – MARCH EDITION - DATED MARCH 5, 2008**

The March Edition of the 2008 AMS - dated March 5, 2008 reflects all planned maintenance requests for 2008 that have been submitted to the ISO through March 3, 2008. Those generator owners who have not yet submitted their anticipated maintenance schedules for 2008 are encouraged to do so.

**2008 OPERABLE CAPACITY ANALYSIS**

The Operable Capacity Analysis for 2008 presently forecasts the lowest Long Term Operable Capacity Margin, LTOCM, of negative 2,030 MW for weeks beginning May 31<sup>st</sup>, June 7<sup>th</sup>, 14<sup>th</sup>, and 21<sup>st</sup>. Negative capacity margins are also being forecasted for all remaining weeks in June, July and August, and for weeks beginning May 3<sup>rd</sup>, 10<sup>th</sup> and 17<sup>th</sup>, with positive capacity margins for most the remaining weeks of the year. However, it is possible that additional maintenance that may be added in upcoming editions of the 2008 AMS will reduce those margins.

**Peak Load Exposures (PLE)**

The Peak Load Exposures (PLE) for the winter and summer of 2008 are 23,070 MW and 27,885 MW respectively, and reflect the seasonal peak loads based on the 2007 CELT Report.

**Generating Unit Capabilities**

Generating unit capabilities are based upon the March 1, 2008 Seasonal Claimed Capabilities report and includes assets receiving credit as part of the Energy Management System (EMS). 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 edition of the 2008 AMS.

Only known capacity-backed (ICAP) contracts have been included in the Interchange column of the 2008 Operable Capacity Analysis. This column combines monthly data, as it becomes available, with contract totals recorded in the 2007 CELT Report.

Allowances for unplanned outages, as documented in ISO New England OP-5, range from 2,100 MW during the summer months to 3,600 MW.

#### External Transmission

Known maintenance of Hydro-Quebec Phase II and 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 2008 AMS or Operable Capacity Analysis, please feel free to contact me at (413) 535-4162 or by email at [opamoreq@iso-ne.com](mailto:opamoreq@iso-ne.com).

# 2008 ANNUAL MAINTENANCE SCHEDULE

Edition: March Edition dated March 5, 2008

Information Received through March 3, 2008

Dates indicate Saturday week beginning

Sorted by Area and Local Control Center

| Plant Name | Asset ID | S. Name | RSP | LCC | Company | Blackstart | Type | WCC | SCC | March |         |       | April |      |      | May  |      |      | June |      |      | July |      |      | August |    |   | September |    |    | October |   |    | November |    |     | December |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |
|------------|----------|---------|-----|-----|---------|------------|------|-----|-----|-------|---------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|--------|----|---|-----------|----|----|---------|---|----|----------|----|-----|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|
|            |          |         |     |     |         |            |      |     |     | 8     | 15      | 22    | 29    | 5    | 12   | 19   | 26   | 3    | 10   | 17   | 24   | 31   | 7    | 14   | 21     | 28 | 5 | 12        | 19 | 26 | 2       | 9 | 16 | 23       | 30 | 6   | 13       | 20   | 27   | 4    | 11   | 18   | 25   | 1    | 8    | 15   | 22   | 29   | 6    | 13   | 20  | 27  |     |
|            |          |         |     |     |         |            |      |     |     | round | planned | TOTAL | 2200  | 2900 | 4200 | 4900 | 6200 | 6100 | 6600 | 5800 | 7600 | 6400 | 5500 | 2800 | 0      | 0  | 0 | 0         | 0  | 0  | 0       | 0 | 0  | 0        | 0  | 100 | 800      | 1800 | 1800 | 3400 | 4700 | 5400 | 7200 | 6200 | 5500 | 4700 | 2500 | 1800 | 2700 | 1200 | 500 | 100 | 100 |

# ISO-NE 2008 OPERABLE CAPACITY ANALYSIS

## March 4, 2008 - WITH KNOWN EXTERNAL CONTRACTS - 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.

| Week Beginning, Saturday |           |     |  |   |                                 |   |                               |                                     |  |                                 |  |   |                        |                                |   |
|--------------------------|-----------|-----|--|---|---------------------------------|---|-------------------------------|-------------------------------------|--|---------------------------------|--|---|------------------------|--------------------------------|---|
| Year                     | Month     | Day | Installed Seasonal Claimed Capacity (SCC) [Note 1]<br>(MW) | Net Interchange (NYPP, NB, HQ, Highgate) [Note 2]<br>(MW) | New Generation [Note 3]<br>(MW) | De-listed ICAP resources [Note 4]<br>(MW) | Net Capacity [Note 5]<br>(MW) | Peak Load Exposure [Note 6]<br>(MW) | Operating Reserve Requirement [Note 7]<br>(MW) | Total Known Maintenance<br>(MW) | Allowance for Unplanned Outages [Note 8]<br>(MW) | Generation at Risk Due to Gas Supply [Note 9]<br>(MW) | Total Capacity<br>(MW) | Operable Capacity Margin (+/-) | Extent of OP 4 Actions That May be Necessary (OP 4 Actions up to and including) [Note 10] |
| 2008                     | March     | 8   | 32,800   | 58  | 0                               | 290                                       | 32,858                        | 20,671                              | 1,800  | 2,200                           | 2,950  | 0   | 27,708                 | 5,240                          |   |
|                          |           | 15  | 32,800   | 58  | 0                               | 290                                       | 32,858                        | 20,292                              | 1,800  | 2,900                           | 2,790  | 0   | 27,168                 | 5,080                          |   |
|                          |           | 22  | 32,800   | 58  | 0                               | 290                                       | 32,858                        | 19,706                              | 1,800  | 4,200                           | 2,790  | 0   | 25,868                 | 4,360                          |   |
|                          |           | 29  | 32,802   | 58  | 0                               | 290                                       | 32,858                        | 19,194                              | 1,800  | 4,900                           | 3,290  | 0   | 24,668                 | 3,670                          |   |
| 2008                     | April     | 5   | 32,802   | 58  | 0                               | 290                                       | 32,858                        | 18,934                              | 1,800  | 6,200                           | 2,700  | 0   | 23,958                 | 3,220                          |   |
|                          |           | 12  | 32,802   | 58  | 0                               | 290                                       | 32,858                        | 18,405                              | 1,800  | 6,100                           | 2,700  | 0   | 24,058                 | 3,850                          |   |
|                          |           | 19  | 32,802   | 58  | 0                               | 290                                       | 32,858                        | 18,131                              | 1,800  | 6,600                           | 2,700  | 0   | 23,558                 | 3,630                          |   |
|                          |           | 26  | 32,802   | 58  | 0                               | 290                                       | 32,858                        | 18,103                              | 1,800  | 5,800                           | 2,700  | 0   | 24,358                 | 4,460                          |   |
| 2008                     | May       | 3   | 32,802   | 58  | 0                               | 290                                       | 32,858                        | 21,067                              | 1,800  | 7,600                           | 3,400  | 0   | 21,858                 | (1,010)                        | Action 9  |
|                          |           | 10  | 32,802   | 58  | 0                               | 290                                       | 32,858                        | 22,046                              | 1,800  | 6,400                           | 3,600  | 0   | 22,858                 | (990)                          | Action 9  |
|                          |           | 17  | 32,802   | 58  | 0                               | 290                                       | 32,858                        | 22,955                              | 1,800  | 5,500                           | 3,600  | 0   | 23,758                 | (1,000)                        | Action 9  |
|                          |           | 24  | 32,802   | 58  | 0                               | 290                                       | 32,858                        | 23,953                              | 1,800  | 2,800                           | 3,600  | 0   | 26,458                 | 710                            |   |
| 2008                     | May       | 31  | 30,499   | 58  | 100                             | 290                                       | 30,658                        | 27,885                              | 1,800  | 0                               | 3,000  | 0   | 27,658                 | (2,030)                        | Action 11   |
|                          | June      | 7   | 30,499   | 58  | 100                             | 290                                       | 30,658                        | 27,885                              | 1,800  | 0                               | 3,000  | 0   | 27,658                 | (2,030)                        | Action 11   |
|                          |           | 14  | 30,499   | 58  | 100                             | 290                                       | 30,658                        | 27,885                              | 1,800  | 0                               | 3,000  | 0   | 27,658                 | (2,030)                        | Action 11   |
|                          |           | 21  | 30,499   | 58  | 100                             | 290                                       | 30,658                        | 27,885                              | 1,800  | 0                               | 3,000  | 0   | 27,658                 | (2,030)                        | Action 11   |
|                          |           | 28  | 30,453   | 58  | 100                             | 290                                       | 30,608                        | 27,885                              | 1,800  | 0                               | 2,300  | 0   | 28,308                 | (1,380)                        | Action 11   |
| 2008                     | July      | 5   | 30,453   | 58  | 100                             | 290                                       | 30,608                        | 27,885                              | 1,800  | 0                               | 2,300  | 0   | 28,308                 | (1,380)                        | Action 11   |
|                          |           | 12  | 30,453   | 58  | 100                             | 290                                       | 30,608                        | 27,885                              | 1,800  | 0                               | 2,300  | 0   | 28,308                 | (1,380)                        | Action 11   |
|                          |           | 19  | 30,453   | 58  | 100                             | 290                                       | 30,608                        | 27,885                              | 1,800  | 0                               | 2,300  | 0   | 28,308                 | (1,380)                        | Action 11   |
|                          |           | 26  | 30,453   | 58  | 100                             | 290                                       | 30,608                        | 27,885                              | 1,800  | 0                               | 2,300  | 0   | 28,308                 | (1,380)                        | Action 11   |
| 2008                     | August    | 2   | 30,438   | 58  | 100                             | 290                                       | 30,598                        | 27,885                              | 1,800  | 0                               | 2,300  | 0   | 28,298                 | (1,390)                        | Action 11   |
|                          |           | 9   | 30,438   | 58  | 100                             | 290                                       | 30,598                        | 27,885                              | 1,800  | 0                               | 2,300  | 0   | 28,298                 | (1,390)                        | Action 11   |
|                          |           | 16  | 30,438   | 58  | 100                             | 290                                       | 30,598                        | 27,885                              | 1,800  | 0                               | 2,300  | 0   | 28,298                 | (1,390)                        | Action 11   |
|                          |           | 23  | 30,438   | 58  | 100                             | 290                                       | 30,598                        | 27,885                              | 1,800  | 0                               | 2,300  | 0   | 28,298                 | (1,390)                        | Action 11   |
|                          |           | 30  | 30,433   | 58  | 200                             | 290                                       | 30,688                        | 25,643                              | 1,800  | 100                             | 2,300  | 0   | 28,288                 | 850                            |   |
| 2008                     | September | 6   | 30,433   | 58  | 200                             | 290                                       | 30,688                        | 24,257                              | 1,800  | 800                             | 2,300  | 0   | 27,588                 | 1,530                          |   |
|                          |           | 13  | 30,433   | 58  | 200                             | 290                                       | 30,688                        | 23,889                              | 1,800  | 1,800                           | 2,300  | 0   | 26,588                 | 900                            |   |
|                          |           | 20  | 30,433   | 58  | 200                             | 290                                       | 30,688                        | 23,797                              | 1,800  | 1,800                           | 2,300  | 0   | 26,588                 | 990                            |   |
|                          |           | 27  | 30,433   | 58  | 200                             | 290                                       | 30,688                        | 18,380                              | 1,800  | 3,400                           | 3,000  | 0   | 24,288                 | 4,110                          |   |
| 2008                     | October   | 4   | 32,761   | 58  | 200                             | 290                                       | 33,018                        | 18,417                              | 1,800  | 4,700                           | 3,000  | 0   | 25,318                 | 5,100                          |   |
|                          |           | 11  | 32,761   | 58  | 200                             | 290                                       | 33,018                        | 19,390                              | 1,800  | 5,400                           | 3,000  | 0   | 24,618                 | 3,430                          |   |
|                          |           | 18  | 32,761   | 58  | 200                             | 290                                       | 33,018                        | 19,773                              | 1,800  | 7,200                           | 3,000  | 0   | 22,818                 | 1,250                          |   |
|                          |           | 25  | 32,761   | 58  | 200                             | 290                                       | 33,018                        | 19,990                              | 1,800  | 6,200                           | 3,000  | 0   | 23,818                 | 2,030                          |   |
| 2008                     | November  | 1   | 32,791   | 58  | 200                             | 290                                       | 33,048                        | 20,112                              | 1,800  | 5,500                           | 3,800  | 0   | 23,748                 | 1,840                          |   |
|                          |           | 8   | 32,791   | 58  | 200                             | 290                                       | 33,048                        | 20,474                              | 1,800  | 4,700                           | 3,800  | 0   | 24,548                 | 2,270                          |   |
|                          |           | 15  | 32,791   | 58  | 200                             | 290                                       | 33,048                        | 21,250                              | 1,800  | 2,500                           | 3,800  | 0   | 26,748                 | 3,700                          |   |
|                          |           | 22  | 32,791   | 58  | 200                             | 290                                       | 33,048                        | 22,008                              | 1,800  | 1,800                           | 3,800  | 0   | 27,448                 | 3,640                          |   |
|                          |           | 29  | 32,789   | 58  | 200                             | 290                                       | 33,048                        | 22,218                              | 1,800  | 2,700                           | 3,400  | 0   | 26,948                 | 2,930                          |   |
| 2008                     | December  | 6   | 32,789   | 58  | 200                             | 290                                       | 33,048                        | 22,522                              | 1,800  | 1,200                           | 3,400  | 0   | 28,448                 | 4,130                          |   |
|                          |           | 13  | 32,789   | 58  | 200                             | 290                                       | 33,048                        | 22,534                              | 1,800  | 500                             | 3,400  | 0   | 29,148                 | 4,810                          |   |
|                          |           | 20  | 32,789   | 58  | 200                             | 290                                       | 33,048                        | 22,599                              | 1,800  | 100                             | 3,400  | 0   | 29,548                 | 5,150                          |   |
|                          |           | 27  | 32,789   | 58  | 0                               | 290                                       | 32,848                        | 22,599                              | 1,800  | 100                             | 3,400  | 0   | 29,348                 | 4,950                          |   |

Notes: Please note that the information contained within the Capacity Analysis is a deterministic projection of system conditions which could materialize during any given week of the year.

- Installed Capacity per March 1, 2008 SCC report, Energy Management System units, with an adjustment for capacity increases and decreases expected during the analysis period (SCC = Seasonal Claimed Capacity). The Operable Capacity does not reflect possible transmission constraints within the ISO New England system.
- Net Interchange is based on known capacity-backed (ICAP) contracts. This column combines monthly data, as it becomes available, with contract totals recorded in the 2007 Capacity, Energy, Loads, and Transmission - CELT Report.
- New Generation information includes a) generation recently commercial but not yet reflected in the ISO New England SCC Report totals used in the Installed Capacity Column, and b) future generation as assumed by ISO-NE System Planning Department. This value is rounded to the nearest hundred.
- De-listed capacity is only known for the current month. Projections are based on known delisted capacity sales.
- Net Capacity = (SCC) + (Interchange) + (New Generation) - (De-listed ICAP Sold) In this equation, values for SCC, Interchange and De-listed ICAP sold are rounded to the nearest ten (SCC = Seasonal Claimed Capacity).
- Peak Load Exposure per data included in the April 2007 CELT Report.
- Operating Reserve Requirement based on first largest contingency plus 1/2 the second largest contingency.
- Allowance for Unplanned Outages includes forced outages and maintenance outages scheduled less than 14 days in advance.
- Generation at Risk due to Gas Supply reflects dual fuel conversions scheduled to be complete prior to the upcoming winter.
- Relief from certain OP 4 Actions varies depending on system conditions.

New England Operable Capacity Margins  
WITH KNOWN EXTERNAL TRANSACTIONS - 50/50 FORECAST

