

Richard Boughton Outage Coordination

To: NEPOOL Participants

From: Richard Boughton

Subject: 2011-12 First Future Year Annual Maintenance Schedule – Draft #1

Date: February 17, 2011

Following this transmittal letter, you will find the 2011-12 Annual Maintenance Schedule (AMS) – Draft #1 dated February 17, 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 first 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 #1 - DATED FEBRUARY 17, 2011

Draft #1 of the 2011-12 AMS - dated February 17, 2011 reflects all planned maintenance requests for June 2011- May 2012 that have been submitted to the ISO through February 16, 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 3,070 MW for weeks beginning June 4th. However, it is possible that additional maintenance that may be added in upcoming editions of the 2011-12 AMS will reduce those margins.

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 26,876 MW, and reflects the seasonal peak load based on the 2010 CELT Report.

Generating Unit Capabilities

Resource Capacity Supply Obligations, CSO, are based upon data as of February 16, 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.

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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.

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 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.

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ISO-NE 2010 OPERABLE CAPACITY ANALYSIS

Construction
C

New resources that have not yet acquired a CSO but will become commercial in the future.
Planned Outages includes outages scheduled greater than or equal to 15 days in advance.
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)
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)
Total OpCap Supply Available per the formula (1 + 2 + 3 · 4 · 5 · 6 = 7)
Peak Load Forecast per data included in the 2010 CELT Report adjusted for Other Demand Resources. (LTOCM application-Case Output-System Results-OAD FORECAST MW)
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)
Total Load Obligation per the formula (8 + 9 = 10)

Total Load Obligation per the 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).
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.
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 Transactions (EETs).

New England Operable Capacity Margins 50/50 FORECAST

