



Joanne Bialas
Outage Coordination

To: NEPOOL Participants

From: Joanne Bialas

Subject: 2008 Annual Maintenance Schedule – April Edition

Date: April 4, 2008

Following this transmittal letter, you will find the 2008 Annual Maintenance Schedule (AMS) – April Edition dated April 4, 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 – APRIL EDITION - DATED APRIL 4, 2008

The April Edition of the 2008 AMS - dated April 4, 2008 reflects all planned maintenance requests for 2008 that have been submitted to the ISO through April 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 2,110 MW for weeks beginning May 31st, June 7th, 14th, and 21st. Negative capacity margins are also being forecasted for all remaining weeks in June, July and August, and for weeks beginning May 3rd, 10th, 17th, and December 6th 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 23,030 MW and 27,970 MW respectively, and reflect the seasonal peak loads based on the 2008 CELT Report.

Generating Unit Capabilities

Generating unit capabilities are based upon the April 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.

2008 ANNUAL MAINTENANCE SCHEDULE

Edition: April Edition dated April 4, 2008

Information Received through April 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	April				May				June				July				August				September				October				November				December										
										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	6200	6800	8000	5700	7800	6600	5700	2700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	800	1800	1800	3400	4700	5400	7200	6200	5500	4800	2500	1800	2700	1200	500	100	100

Legend:

S = Scheduled Full Station Maintenance Outage

MW reduction associated with Scheduled Boiler Maintenance or Scheduled Partial Outage

U = Unplanned Full or Partial Station Outage or Annual Inspection Overrun

F = Unplanned Full or Partial Station Outage due to Fuel Restrictions

S or B = New Scheduled Full or Partial Station Maintenance Outage since last publication of the AMS

Indicates Outages was cancelled since last publication of the AMS

Outage not yet approved; request being evaluated.

Possible outage move

ISO-NE 2008 OPERABLE CAPACITY ANALYSIS

April 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] (MW)	Net Interchange (NYPP, NB, HQ, Highgate) [Note 2] (MW)	New Generation [Note 3] (MW)	De-listed ICAP resources [Note 4] (MW)	Net Capacity [Note 5] (MW)	Peak Load Exposure [Note 6] (MW)	Operating Reserve Requirement [Note 7] (MW)	Total Known Maintenance [Note 8] (MW)	Allowance for Unplanned Outages [Note 8] (MW)	Generation at Risk Due to Gas Supply [Note 9] (MW)	Total Capacity [Note 9] (MW)	Operable Capacity Margin (+/-) [Note 10] (MW)	Extent of OP 4 Actions That May be Necessary (OP 4 Actions up to and including) [Note 10]
2008	April	5	32,750	2,200	0	290	34,950	18,691	1,800	6,200	3,100	0	25,650	5,160	
		12	32,750	2,200	0	290	34,950	18,170	1,800	6,800	3,100	0	25,050	5,080	
		19	32,750	2,200	0	290	34,950	17,899	1,800	8,000	2,700	0	24,250	4,550	
		26	32,750	2,200	0	290	34,950	17,872	1,800	5,700	2,700	0	26,550	6,880	
2008	May	3	32,750	58	0	290	32,808	21,131	1,800	7,800	3,400	0	21,608	(1,320)	Action 9
		10	32,750	58	0	290	32,808	22,113	1,800	6,600	3,600	0	22,608	(1,310)	Action 9
		17	32,750	58	0	290	32,808	23,025	1,800	5,700	3,600	0	23,508	(1,320)	Action 9
		24	32,750	58	0	290	32,808	24,026	1,800	2,700	3,600	0	26,508	680	
2008	May	31	30,501	58	100	290	30,658	27,970	1,800	0	3,000	0	27,658	(2,110)	Action 11
	June	7	30,501	58	100	290	30,658	27,970	1,800	0	3,000	0	27,658	(2,110)	Action 11
		14	30,501	58	100	290	30,658	27,970	1,800	0	3,000	0	27,658	(2,110)	Action 11
		21	30,501	58	100	290	30,658	27,970	1,800	0	3,000	0	27,658	(2,110)	Action 11
		28	30,455	58	100	290	30,608	27,970	1,800	0	2,300	0	28,308	(1,460)	Action 11
2008	July	5	30,455	58	100	290	30,608	27,970	1,800	0	2,300	0	28,308	(1,460)	Action 11
		12	30,455	58	100	290	30,608	27,970	1,800	0	2,300	0	28,308	(1,460)	Action 11
		19	30,455	58	100	290	30,608	27,970	1,800	0	2,300	0	28,308	(1,460)	Action 11
		26	30,455	58	100	290	30,608	27,970	1,800	0	2,300	0	28,308	(1,460)	Action 11
2008	August	2	30,440	58	100	290	30,598	27,970	1,800	0	2,300	0	28,298	(1,470)	Action 11
		9	30,440	58	100	290	30,598	27,970	1,800	0	2,300	0	28,298	(1,470)	Action 11
		16	30,440	58	100	290	30,598	27,970	1,800	0	2,300	0	28,298	(1,470)	Action 11
		23	30,440	58	100	290	30,598	27,970	1,800	0	2,300	0	28,298	(1,470)	Action 11
		30	30,435	58	200	290	30,688	25,721	1,800	100	2,300	0	28,288	770	
2008	September	6	30,435	58	200	290	30,688	24,331	1,800	800	2,300	0	27,588	1,460	
		13	30,435	58	200	290	30,688	23,962	1,800	1,800	2,300	0	26,588	830	
		20	30,435	58	200	290	30,688	23,870	1,800	1,800	2,300	0	26,588	920	
		27	30,435	58	200	290	30,688	18,108	1,800	3,400	3,000	0	24,288	4,380	
2008	October	4	32,709	58	200	290	32,968	18,145	1,800	4,700	3,000	0	25,268	5,320	
		11	32,709	58	200	290	32,968	19,103	1,800	5,400	3,000	0	24,568	3,670	
		18	32,709	58	200	290	32,968	19,481	1,800	7,200	3,000	0	22,768	1,490	
		25	32,709	58	200	290	32,968	19,695	1,800	6,200	3,000	0	23,768	2,270	
2008	November	1	32,739	58	200	290	32,998	19,815	1,800	5,500	3,800	0	23,698	2,080	
		8	32,739	58	200	290	32,998	20,172	1,800	4,800	3,800	0	24,398	2,430	
		15	32,739	58	200	290	32,998	20,937	1,800	2,500	3,800	0	26,698	3,960	
		22	32,739	58	200	290	32,998	21,683	1,800	1,800	3,800	0	27,398	3,920	
		29	32,737	58	200	290	32,998	21,890	1,800	2,700	3,400	0	26,898	3,210	
2008	December	6	32,737	58	200	290	32,998	23,030	1,800	1,200	3,400	3,700	24,698	(130)	Action 3
		13	32,737	58	200	290	32,998	23,030	1,800	500	3,400	3,900	25,198	370	
		20	32,737	58	200	290	32,998	23,030	1,800	100	3,400	3,900	25,598	770	

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

1. Installed Capacity per April 1, 2008 SCC report, Energy Management System units, with an adjustment for capacity increases and decreases expected during the analysis period (SCC = Seasonal Claimed Capability). The Operable Capacity does not reflect possible transmission constraints within the ISO New England system.
2. 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.
3. 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.
4. Delisted capacity is only known for the current month. Projections are based on known delisted capacity sales.
5. Net Capacity = (SCC) + (Interchange) + (New Generation) - (Delisted ICAP Sold) In this equation, values for SCC, Interchange and Delisted ICAP sold are rounded to the nearest ten (SCC = Seasonal Claimed Capability).
6. Peak Load Exposure per data to be included in the 2008 CELT Report.
7. Operating Reserve Requirement based on first largest contingency plus 1/2 the second largest contingency.
8. Allowance for Unplanned Outages includes forced outages and maintenance outages scheduled less than 14 days in advance.
9. Generation at Risk due to Gas Supply reflects dual fuel conversions scheduled to be complete prior to the upcoming winter.
10. Relief from certain OP 4 Actions varies depending on system conditions.

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

