



Joanne Bialas
Outage Coordination

To: NEPOOL Participants

From: Joanne Bialas

Subject: 2009 Annual Maintenance Schedule – March Edition

Date: March 5, 2009

Following this transmittal letter, you will find the 2009 Annual Maintenance Schedule (AMS) – March Edition dated March 5, 2009, with rounded weekly planned outage totals only, and an Operable Capacity Analysis (with forecasted external transactions) for 2009. 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.

2009 AMS – MARCH EDITION - DATED MARCH 5, 2009

The March Edition of the 2009 AMS - dated March 5, 2009 reflects all planned maintenance requests for 2009 that have been submitted to the ISO through March 3, 2009. Those generator owners who have not yet submitted their anticipated maintenance schedules for 2009 are encouraged to do so.

2009 OPERABLE CAPACITY ANALYSIS

The Operable Capacity Analysis for 2009 presently forecasts the lowest Long Term Operable Capacity Margin, LTOCM, of negative 1,080 MW for weeks beginning May 30th, June 6th, 13th, and 20th. Negative capacity margins are being calculated for the remaining peak load exposure weeks during June, July, and August with positive capacity margins being calculated for the rest of the year. However, it is possible that additional maintenance that may be added in upcoming editions of the 2009 AMS will reduce those margins.

Peak Load Exposures (PLE)

The Peak Load Exposures (PLE) for the winter and summer of 2009 are 22,115 MW and 27,875 MW respectively, and reflect the seasonal peak loads based on data to be included in the 2009 CELT Report.

Generating Unit Capabilities

Generating unit capabilities are based upon the March 1, 2009 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 2009 AMS.

Only known capacity-backed (ICAP) contracts have been included in the Interchange column of the 2009 Operable Capacity Analysis. This column combines monthly data, as it becomes available, with contract totals recorded in the 2008 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 2009 AMS or Operable Capacity Analysis, please feel free to contact me at (413) 535-4162 or by email at opamoreq@iso-ne.com.

ISO-NE 2009 OPERABLE CAPACITY ANALYSIS

March 5, 2009 - 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 9] (MW)	Generation at Risk Due to Gas Supply [Note 9] (MW)	Total Capacity [Note 10] (MW)	Operable Capacity Margin (+/-) (MW)	Extent of OP 4 Actions That May be Necessary (OP 4 Actions up to and including) [Note 10]
2009	March	7	33,722	2,173	0	290	35,893	20,010	1,800	2,000	2,200	0	31,693	9,880	
		14	33,722	2,173	0	290	35,893	19,815	1,800	2,200	2,200	0	31,493	9,880	
		21	33,722	2,173	0	290	35,893	19,452	1,800	3,300	2,200	0	30,393	9,140	
		28	33,722	48	0	290	33,768	18,891	1,800	3,200	2,200	0	28,368	7,680	
2009	April	4	33,724	48	100	290	33,868	18,400	1,800	5,500	2,700	0	25,668	5,470	
		11	33,724	48	100	290	33,868	18,150	1,800	4,700	2,700	0	26,468	6,520	
		18	33,724	48	100	290	33,868	17,643	1,800	5,900	2,700	0	25,268	5,830	
		25	33,724	48	100	290	33,868	17,380	1,800	6,000	2,700	0	25,168	5,990	
2009	May	2	33,724	48	100	290	33,868	17,354	1,800	6,200	3,400	0	24,268	5,110	
		9	33,724	48	100	290	33,868	21,060	1,800	4,300	3,400	0	26,168	3,310	
		16	33,724	48	100	290	33,868	22,038	1,800	2,900	3,400	0	27,568	3,730	
		23	33,724	48	100	290	33,868	22,947	1,800	2,300	3,400	0	28,168	3,420	
		30	31,248	48	100	290	31,398	27,875	1,800	0	2,800	0	28,598	(1,080)	Action 9
2009	June	6	31,248	48	100	290	31,398	27,875	1,800	0	2,800	0	28,598	(1,080)	Action 9
		13	31,248	48	100	290	31,398	27,875	1,800	0	2,800	0	28,598	(1,080)	Action 9
		20	31,248	48	100	290	31,398	27,875	1,800	0	2,800	0	28,598	(1,080)	Action 9
		27	31,156	48	100	290	31,308	27,875	1,800	0	2,100	0	29,208	(470)	Action 6
2009	July	4	31,156	48	200	290	31,408	27,875	1,800	0	2,100	0	29,308	(370)	Action 6
		11	31,156	48	200	290	31,408	27,875	1,800	0	2,100	0	29,308	(370)	Action 6
		18	31,156	48	200	290	31,408	27,875	1,800	0	2,100	0	29,308	(370)	Action 6
		25	31,156	48	200	290	31,408	27,875	1,800	0	2,100	0	29,308	(370)	Action 6
2009	August	1	31,156	48	200	290	31,408	27,875	1,800	0	2,100	0	29,308	(370)	Action 6
		8	31,125	48	200	290	31,378	27,875	1,800	0	2,100	0	29,278	(400)	Action 6
		15	31,125	48	200	290	31,378	27,875	1,800	0	2,100	0	29,278	(400)	Action 6
		22	31,125	48	200	290	31,378	27,875	1,800	0	2,100	0	29,278	(400)	Action 6
		29	31,125	48	200	290	31,378	25,634	1,800	500	2,100	0	28,778	1,340	
2009	September	5	31,119	48	200	290	31,368	24,248	1,800	700	2,100	0	28,568	2,520	
		12	31,119	48	200	290	31,368	23,881	1,800	1,600	2,100	0	27,668	1,990	
		19	31,119	48	200	290	31,368	23,789	1,800	2,200	2,100	0	27,068	1,480	
		26	31,119	48	200	290	31,368	17,377	1,800	4,800	2,100	0	24,468	5,290	
2009	October	3	31,119	48	300	290	31,468	17,413	1,800	6,400	2,800	0	22,268	3,060	
		10	33,726	48	300	290	34,078	18,332	1,800	6,800	2,800	0	24,478	4,350	
		17	33,726	48	300	290	34,078	18,694	1,800	5,000	2,800	0	26,278	5,780	
		24	33,726	48	300	290	34,078	18,900	1,800	4,700	2,800	0	26,578	5,880	
		31	33,726	48	300	290	34,078	19,015	1,800	3,800	3,600	0	26,678	5,860	
2009	November	7	33,785	48	300	290	34,138	19,357	1,800	3,900	3,600	0	26,638	5,480	
		14	33,785	48	300	290	34,138	20,091	1,800	2,800	3,600	0	27,738	5,850	
		21	33,785	48	300	290	34,138	20,807	1,800	1,300	3,600	0	29,238	6,630	
		28	33,785	48	300	290	34,138	21,006	1,800	800	3,600	0	29,738	6,930	
2009	December	5	33,780	48	300	290	34,128	21,293	1,800	500	3,200	0	30,428	7,340	
		12	33,780	48	300	290	34,128	21,304	1,800	100	3,200	0	30,828	7,720	
		19	33,780	48	300	290	34,128	21,366	1,800	0	3,200	0	30,928	7,760	
		26	33,780	48	300	290	34,128	21,638	1,800	100	3,200	0	30,828	7,390	
		2	33,780	58	0	290	33,838	21,366	1,800	100	3,200	0	30,538	7,370	

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 the March 1, 2009 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 2008 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.
- Delisted capacity is only known for the current month. Projections are based on known delisted capacity sales.
- 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 Capacity).
- Peak Load Exposure per data to be included in the 2009 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

