

State of the PJM Market: January through August, 2010

Members Committee
September 23, 2010

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Monitoring Analytics

Table 1-1 Total price per MWh by Category and Total Revenues by Category: January through December 2009 and January through August 2010 (See 2009 SOM, Table 1-1)

Category	Totals (\$ Millions)	Totals (\$ Millions)	Jan-Dec	Jan-Aug	Jan-Dec	Jan-Aug
	Jan-Dec 2009	Jan-Aug 2010	2009 \$/MWh	2010 \$/MWh	2009 Percent	2010 Percent
Energy	\$26,008.22	\$24,048.30	\$39.05	\$50.49	70.2%	74.1%
Capacity	\$7,162.71	\$5,485.43	\$10.75	\$11.52	19.3%	16.9%
Transmission Service Charges	\$2,664.73	\$1,857.10	\$4.00	\$3.90	7.2%	5.7%
Operating Reserves (Uplift)	\$324.15	\$357.73	\$0.49	\$0.75	0.9%	1.1%
Reactive	\$228.18	\$179.40	\$0.34	\$0.38	0.6%	0.6%
Regulation	\$203.49	\$177.80	\$0.31	\$0.37	0.5%	0.5%
PJM Administrative Fees	\$242.32	\$166.39	\$0.36	\$0.35	0.7%	0.5%
Transmission Enhancement Cost Recovery	\$63.21	\$76.80	\$0.09	\$0.16	0.2%	0.2%
Transmssion Owner (Schedule 1A)	\$56.47	\$41.97	\$0.08	\$0.09	0.2%	0.1%
Synchronized Reserves	\$34.27	\$28.94	\$0.05	\$0.06	0.1%	0.1%
NERC/RFC	\$8.86	\$9.60	\$0.01	\$0.02	0.0%	0.0%
Black Start	\$14.27	\$7.39	\$0.02	\$0.02	0.0%	0.0%
RTO Startup and Expansion	\$9.12	\$6.09	\$0.01	\$0.01	0.0%	0.0%
Load Response	\$1.62	\$3.11	\$0.00	\$0.01	0.0%	0.0%
Transmission Facility Charges	\$1.39	\$0.90	\$0.00	\$0.00	0.0%	0.0%
Total	\$37,023.01	\$32,450.64	\$55.58	\$68.14	100.0%	100.0%

**Figure 2-2 Actual PJM footprint peak loads: 2003 through 2010
(See 2009 SOM, Figure 2-2)**

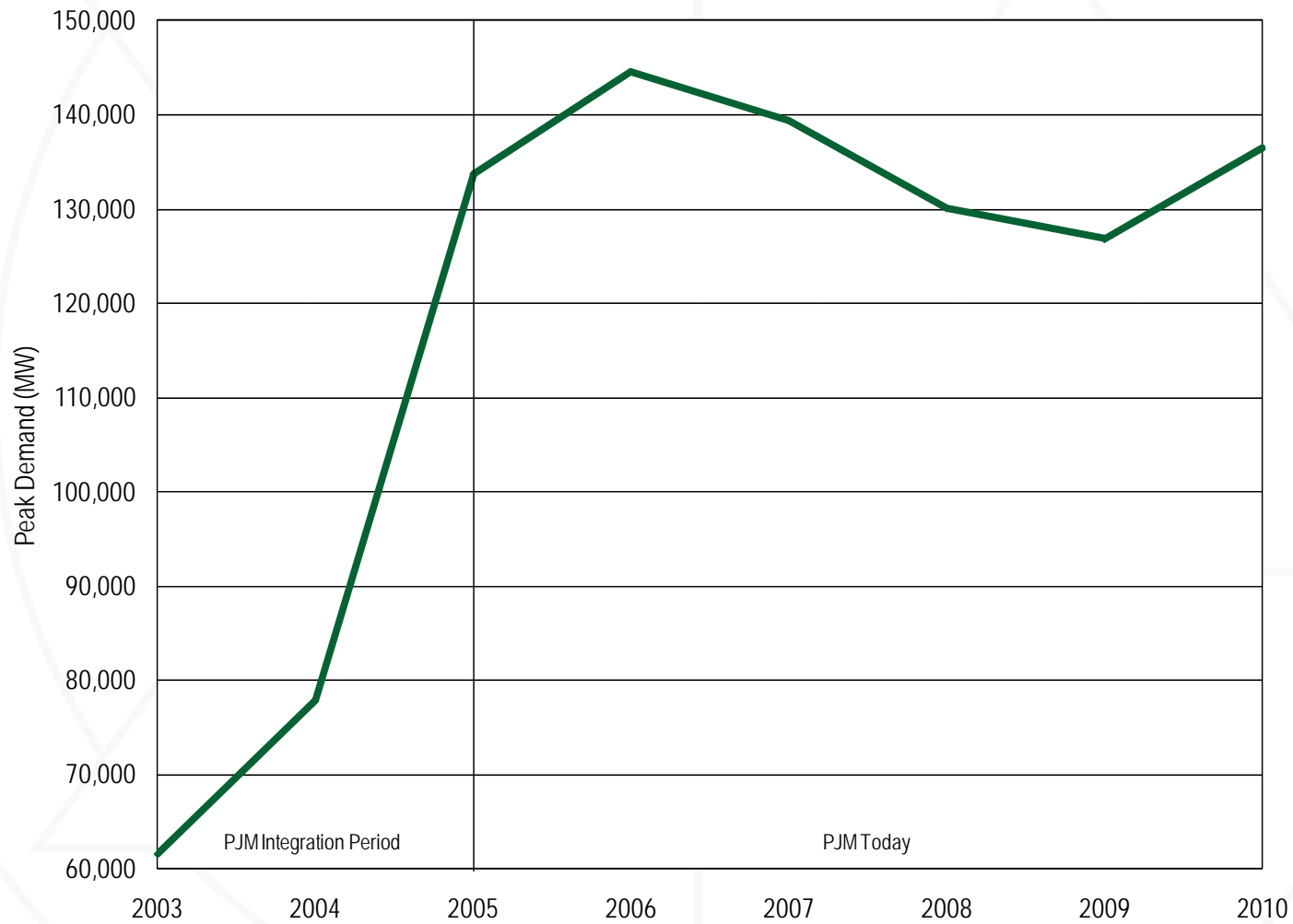


Figure 2-8 PJM real-time average load: Calendar years 2009 through August 2010 (See 2009 SOM, Figure 2-8)

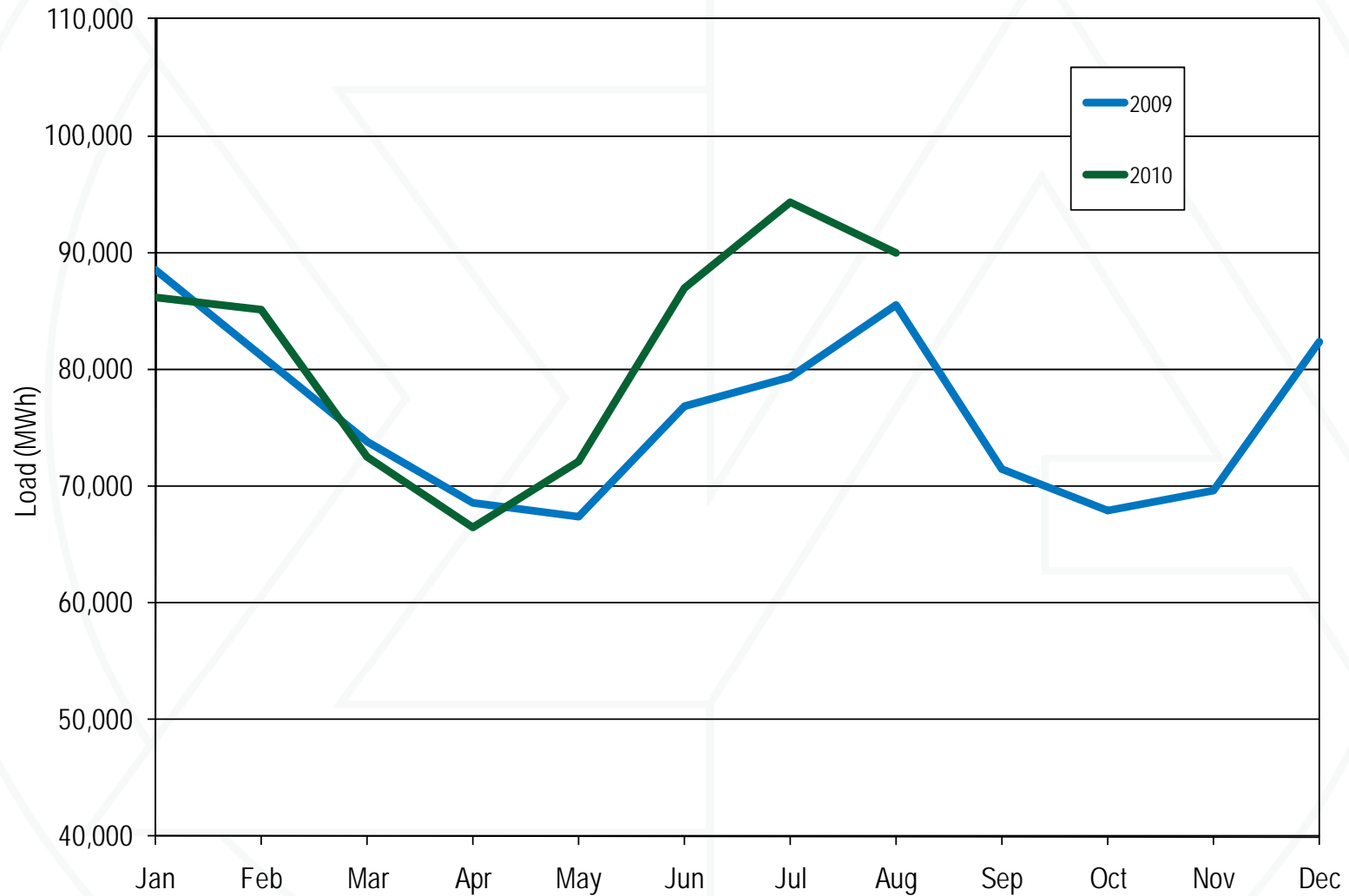


Figure 2-12 Day-ahead and real-time loads (Average daily volumes): January through August 2010 (New Figure)

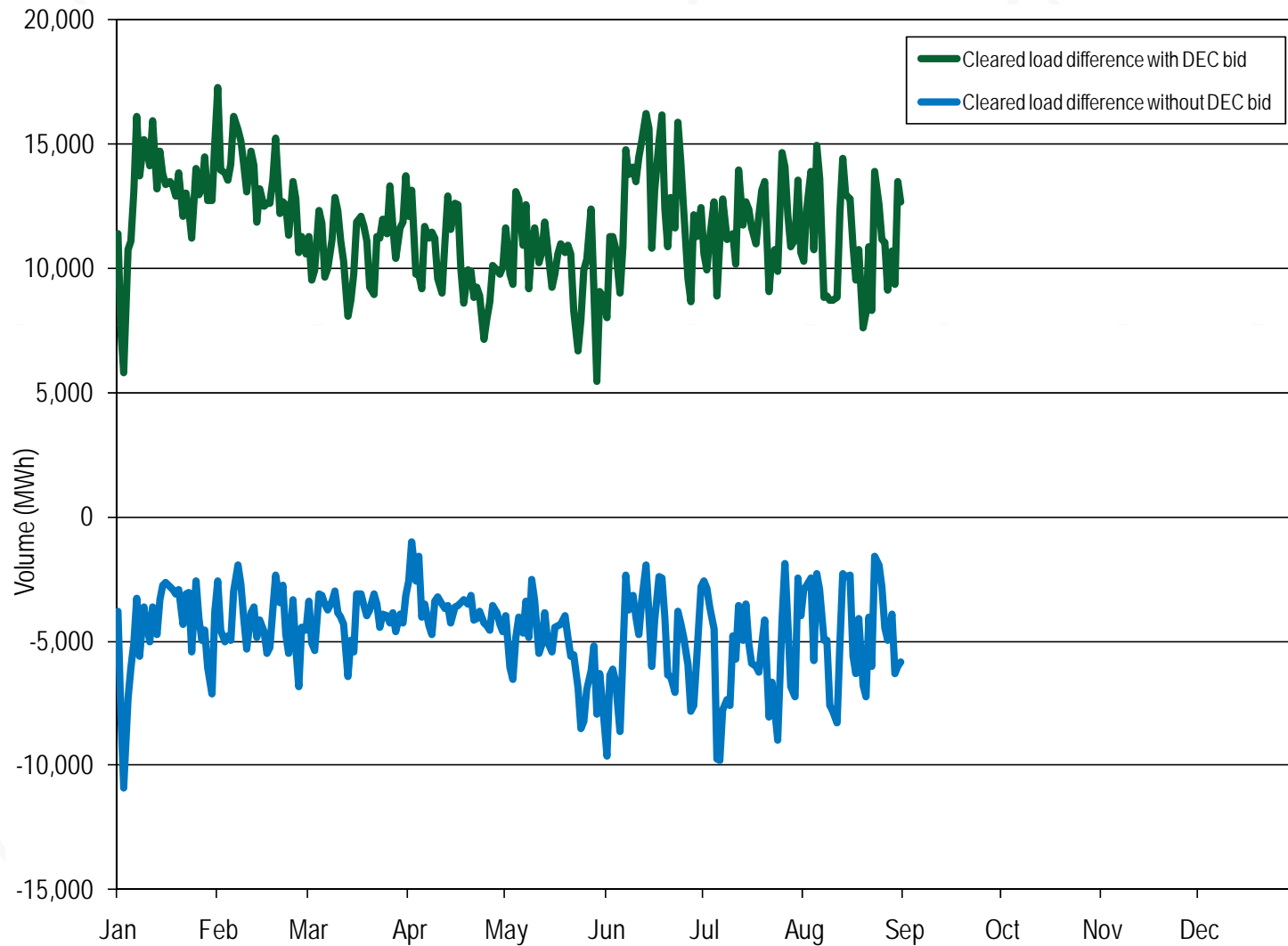


Figure 2-14 Day-ahead and real-time generation (Average daily volumes): January through August 2010 (New Figure)

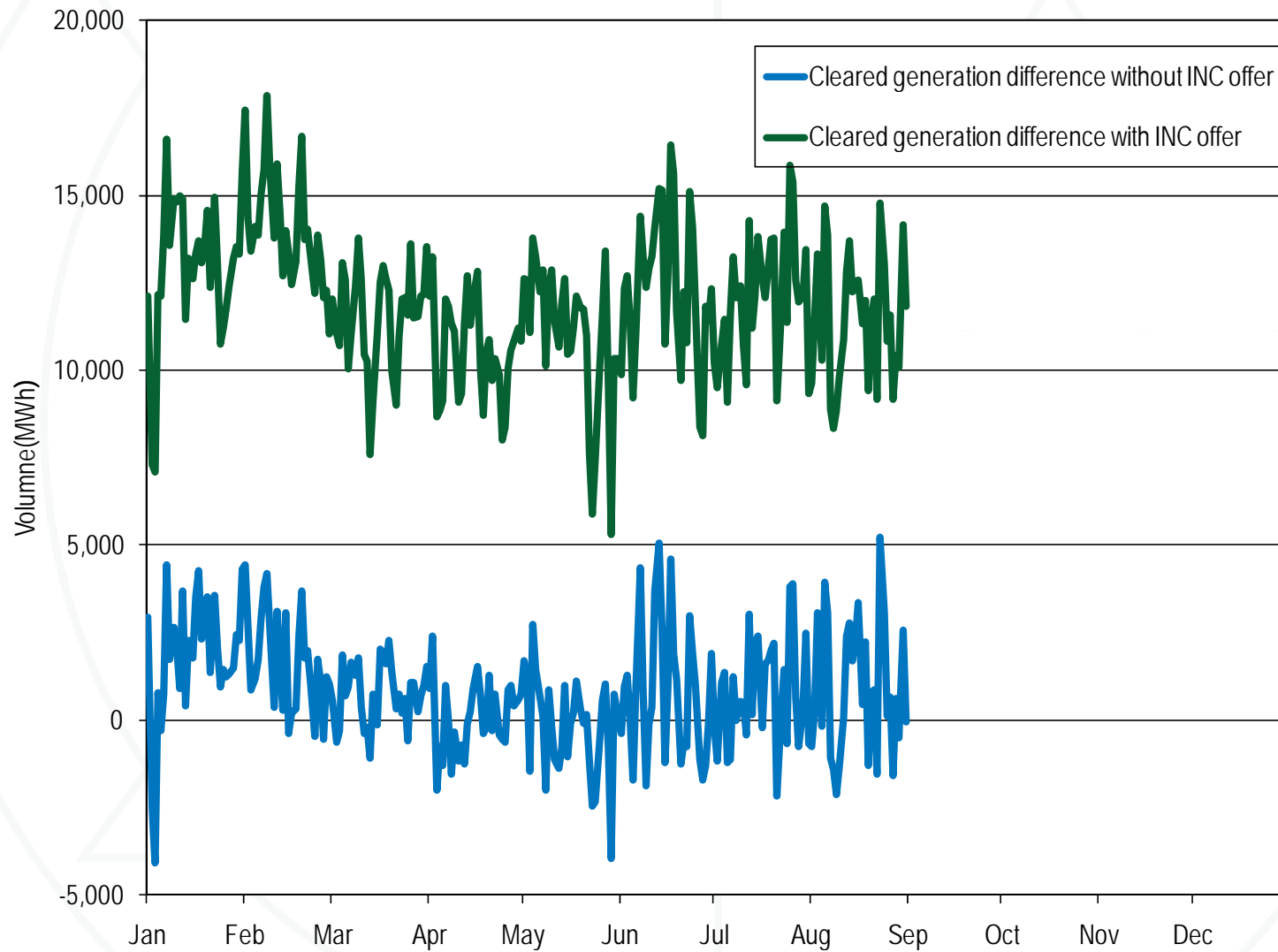


Table 2-52 PJM real-time, annual, load-weighted, average LMP (Dollars per MWh): Calendar years 1998 through August 2010 (See 2009 SOM, Table 2-59)

	Real-Time, Load-Weighted, Average LMP			Year-to-Year Change		
	Average	Median	Standard Deviation	Average	Median	Standard Deviation
1998	\$24.16	\$17.60	\$39.29	NA	NA	NA
1999	\$34.07	\$19.02	\$91.49	41.0%	8.1%	132.8%
2000	\$30.72	\$20.51	\$28.38	(9.8%)	7.9%	(69.0%)
2001	\$36.65	\$25.08	\$57.26	19.3%	22.3%	101.8%
2002	\$31.60	\$23.40	\$26.75	(13.8%)	(6.7%)	(53.3%)
2003	\$41.23	\$34.96	\$25.40	30.5%	49.4%	(5.0%)
2004	\$44.34	\$40.16	\$21.25	7.5%	14.9%	(16.3%)
2005	\$63.46	\$52.93	\$38.10	43.1%	31.8%	79.3%
2006	\$53.35	\$44.40	\$37.81	(15.9%)	(16.1%)	(0.7%)
2007	\$61.66	\$54.66	\$36.94	15.6%	23.1%	(2.3%)
2008	\$71.13	\$59.54	\$40.97	15.4%	8.9%	10.9%
2009	\$39.05	\$34.23	\$18.21	(45.1%)	(42.5%)	(55.6%)
2010	\$50.49	\$40.72	\$30.02	29.3%	19.0%	64.9%

Figure 2-16 PJM real-time, monthly, load-weighted, average LMP: Calendar years 2006 through August 2010 (See 2009 SOM, Figure 2-14)

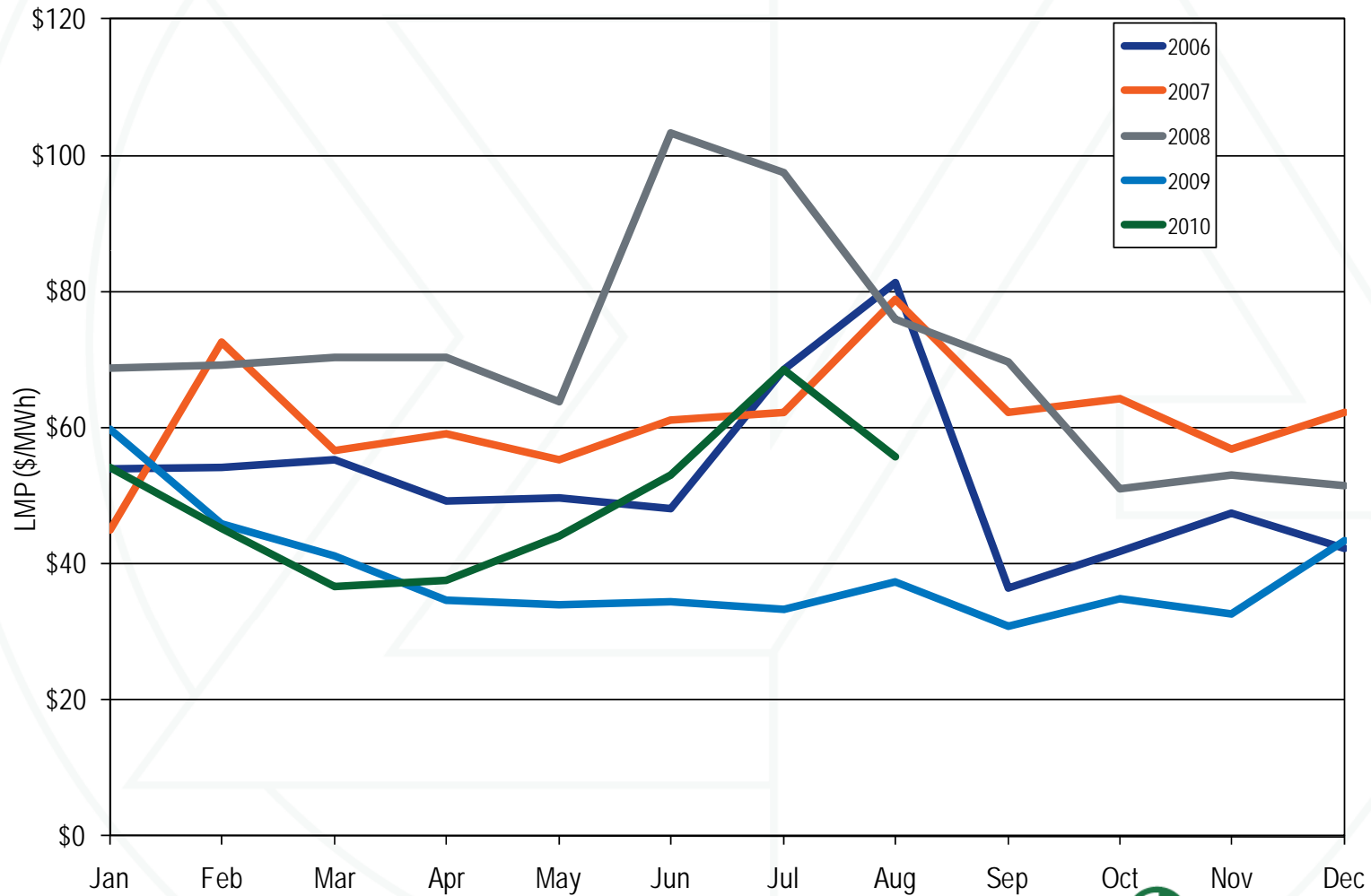


Table 2-80 Day-ahead and real-time simple annual average LMP (Dollars per MWh): Calendar years 2000 through August 2010 (See 2009 SOM, Table 2-87)

	Day Ahead	Real Time	Difference	Difference as Percent of Real Time
2000	\$31.97	\$30.36	(\$1.61)	(5.3%)
2001	\$32.75	\$32.38	(\$0.37)	(1.1%)
2002	\$28.46	\$28.30	(\$0.16)	(0.6%)
2003	\$38.73	\$38.28	(\$0.45)	(1.2%)
2004	\$41.43	\$42.40	\$0.97	2.3%
2005	\$57.89	\$58.08	\$0.18	0.3%
2006	\$48.10	\$49.27	\$1.17	2.4%
2007	\$54.67	\$57.58	\$2.90	5.0%
2008	\$66.12	\$66.40	\$0.28	0.4%
2009	\$37.00	\$37.08	\$0.08	0.2%
2010	\$46.66	\$46.70	\$0.04	0.1%

Figure 2-23 Monthly simple average of real-time minus day-ahead LMP: January through August 2010 (See 2009 SOM, Figure 2-21)



Table 2-89 Distinct Registrations and sites in the Economic Program: July 6, 2010 (See 2009 SOM, Table 2-96)

	Registrations	Sites	MW
AECO	32	33	14.6
AEP	45	45	52.3
AP	53	55	185.0
BGE	62	63	476.0
ComEd	75	76	111.7
DAY	8	8	10.5
DLCO	31	31	72.8
Dominion	89	89	199.3
DPL	37	40	97.7
JCPL	40	43	100.9
Met-Ed	49	51	55.1
PECO	136	137	116.9
PENELEC	48	49	35.4
Pepco	26	26	26.9
PPL	114	119	144.3
PSEG	53	94	25.7
RECO	1	1	0.3
Total	899	960	1,725.5

Table 2-90 Economic Program Participation by zonal reduction: January through August 2010 (See 2009 SOM, Table 2-99)

	Real Time			Day Ahead			Dispatched in Real Time			Totals		
	MWh	Credits	Hours	MWh	Credits	Hours	MWh	Credits	Hours	MWh	Credits	Hours
AECO	9	\$406	8				78	\$4,620	79	87	\$5,026	87
AEP										0	\$0	0
AP	2,797	\$58,573	873				110	\$11,535	39	2,907	\$70,109	912
BGE	1,634	\$293,404	232				628	\$43,856	32	2,262	\$337,260	264
ComEd	59	\$1,848	54				1,571	\$25,213	741	1,629	\$27,061	795
DAY	0	\$8	2				11	\$1,165	1			
DLCO												
Dominion	7,847	\$450,109	714	563	\$7,299	88	882	\$41,723	870	9,291	\$499,130	1,672
DPL										0	\$0	0
JCPL							35	\$2,155	131	35	\$2,155	131
Met-Ed	21	\$310	22							21	\$310	22
PECO	13,804	\$407,474	13,149				388	\$38,249	1,558	14,192	\$445,722	14,707
PENELEC	15	\$58	23				3	\$325	14	18	\$383	37
Pepco	648	\$1,400	2,170				30	\$1,542	132	678	\$2,942	2,302
PPL	410	\$9,338	375				43	\$2,635	193	453	\$11,973	568
PSEG	61	\$1,458	114							61	\$1,458	114
RECO										0	\$0	0
Total	27,306	\$1,224,386	17,736	563	\$7,299	88	3,779	\$173,019	3,790	31,636	\$1,403,530	21,611
Max	13,804	\$450,109	13,149	563	\$7,299	88	1,571	\$43,856	1,558	14,192	\$499,130	14,707
Avg	2,275	\$102,032	1,478	563	\$7,299	88	344	\$15,729	345	2,109	\$93,569	1,441

*Credits and reductions shown in Table 2-90 reflect PJM settlements data as of September 13, 2010. Results are subject to change as data becomes available.

Table 2-97 Zonal Monthly Capacity Credits (See 2009 SOM, Table 2-106)

Zone	January	February	March	April	May	June	July	August	Total
AECO	\$538,827	\$486,683	\$387,589	\$521,446	\$538,827	\$498,630	\$515,251	\$515,251	\$4,002,504
AEP	\$3,871,619	\$3,496,946	\$3,871,619	\$3,746,728	\$3,871,619	\$7,469,753	\$7,718,744	\$7,718,744	\$41,765,771
APS	\$3,380,342	\$3,053,212	\$3,082,016	\$3,271,298	\$3,380,342	\$4,134,986	\$4,272,819	\$4,272,819	\$28,847,834
BGE	\$4,971,814	\$4,490,671	\$4,613,517	\$4,811,433	\$4,971,814	\$4,877,253	\$5,039,828	\$5,039,828	\$38,816,159
ComEd	\$4,423,355	\$3,995,288	\$4,357,876	\$4,280,666	\$4,423,355	\$7,893,843	\$8,156,971	\$8,156,971	\$45,688,324
DAY	\$667,966	\$603,324	\$667,966	\$646,419	\$667,966	\$1,114,399	\$1,151,545	\$1,151,545	\$6,671,131
DLCO	\$387,642	\$350,129	\$387,642	\$375,138	\$387,642	\$1,082,462	\$1,118,544	\$1,118,544	\$5,207,744
Dominion	\$1,655,820	\$1,495,580	\$1,655,820	\$1,602,407	\$1,655,820	\$5,271,768	\$5,447,494	\$5,447,494	\$24,232,204
DPL	\$1,117,919	\$1,009,733	\$1,004,045	\$1,081,857	\$1,117,919	\$1,053,129	\$1,088,233	\$1,088,233	\$8,561,066
JCPL	\$1,374,149	\$1,241,167	\$897,896	\$1,329,822	\$1,374,149	\$1,259,066	\$1,301,034	\$1,301,034	\$10,078,317
Met-Ed	\$1,357,392	\$1,226,031	\$1,357,392	\$1,313,605	\$1,357,392	\$1,166,215	\$1,205,089	\$1,205,089	\$10,188,205
PECO	\$2,717,550	\$2,454,561	\$2,120,899	\$2,629,887	\$2,717,550	\$2,735,060	\$2,826,229	\$2,826,229	\$21,027,964
PENELEC	\$1,325,705	\$1,197,411	\$1,325,705	\$1,282,941	\$1,325,705	\$1,768,655	\$1,827,610	\$1,827,610	\$11,881,342
Pepco	\$1,161,239	\$1,048,861	\$814,714	\$1,123,780	\$1,161,239	\$1,265,186	\$1,307,359	\$1,307,359	\$9,189,737
PPL	\$3,583,739	\$3,236,926	\$3,617,545	\$3,468,134	\$3,583,739	\$3,982,417	\$4,115,164	\$4,115,164	\$29,702,828
PSEG	\$2,266,920	\$2,047,540	\$1,777,619	\$2,193,793	\$2,266,920	\$2,454,980	\$2,536,813	\$2,536,813	\$18,081,398
RECO	\$24,425	\$22,061	\$18,494	\$23,637	\$24,425	\$8,967	\$9,266	\$9,266	\$140,540
Total	\$34,826,423	\$31,456,124	\$31,958,354	\$33,702,990	\$34,826,423	\$48,036,768	\$49,637,993	\$49,637,993	\$314,083,067

Table 2-98 Demand Response (DR) offered and cleared in RPM Base Residual Auction: Delivery years 2007/2008 through 2013/2014 (See 2009 SOM, Table 2-107)

Planning Year	DR Offered in BRA	DR Cleared in BRA
2007/2008	123.5	123.5
2008/2009	691.9	518.5
2009/2010	906.9	865.2
2010/2011	935.6	908.1
2011/2012	1,597.3	1,319.5
2012/2013	9,535.4	6,824.1
2013/2014	12,528.7	8,977.4

Table 2-4 Annual offer-capping statistics: Calendar years 2006 through August 2010 (See 2009 SOM, Table 2-4)

	Real Time		Day Ahead	
	Unit Hours	MW	Unit Hours	MW
	Capped	Capped	Capped	Capped
2006	1.0%	0.2%	0.4%	0.1%
2007	1.1%	0.2%	0.2%	0.0%
2008	1.0%	0.2%	0.2%	0.1%
2009	0.4%	0.1%	0.1%	0.0%
2010	1.2%	0.3%	0.3%	0.1%

Table 3-23 PJM installed capacity (By fuel source): January 1, May 31, June 1, and August 31, 2010 (See 2009 SOM, Table 3-35)

	1-Jan-10		31-May-10		1-Jun-10		31-Aug-10	
	MW	Percent	MW	Percent	MW	Percent	MW	Percent
Coal	68,382.1	40.7%	68,155.5	40.7%	67,991.1	40.8%	68,021.1	40.8%
Gas	49,238.8	29.3%	48,991.4	29.3%	48,424.5	29.0%	48,401.5	29.0%
Hydroelectric	7,921.9	4.7%	7,923.5	4.7%	7,923.5	4.8%	7,896.9	4.7%
Nuclear	30,611.9	18.2%	30,599.3	18.3%	30,619.0	18.4%	30,604.0	18.4%
Oil	10,700.1	6.4%	10,649.4	6.4%	10,645.5	6.4%	10,534.8	6.3%
Solid waste	672.1	0.4%	672.1	0.4%	672.1	0.4%	668.1	0.4%
Wind	326.9	0.2%	409.5	0.2%	481.1	0.3%	511.7	0.3%
Total	167,853.8	100.0%	167,400.7	100.0%	166,756.8	100.0%	166,638.1	100.0%

Table 3-24 PJM generation (By fuel source (GWh)): January through August 2010 (See 2009 SOM, Table 3-36)

	GWh	Percent
Coal	252,372.0	50.4%
Nuclear	170,968.8	34.1%
Gas	55,912.9	11.2%
Natural Gas	54,839.5	10.9%
Landfill Gas	1,073.0	0.2%
Biomass Gas	0.3	0.0%
Hydroelectric	10,333.0	2.1%
Wind	4,893.9	1.0%
Waste	4,059.1	0.8%
Solid Waste	3,063.6	0.6%
Miscellaneous	995.5	0.2%
Oil	2,601.9	0.5%
Heavy Oil	2,208.3	0.4%
Light Oil	353.4	0.1%
Diesel	27.5	0.0%
Kerosene	12.7	0.0%
Jet Oil	0.1	0.0%
Solar	3.3	0.0%
Battery	0.2	0.0%
Total	501,145.1	100.0%

**Table 3-40 Balancing operating reserve allocation process
(See 2009 SOM, Table 3-52)**

	Reliability Credits	Deviation Credits
<u>RTO</u>	1.) Reliability Analysis: Conservative Operations and for TX constraints 500kV & 765kV 2.) Real-Time Market: LMP is not greater than or equal to offer for at least 4 intervals and for TX constraints 500kV & 765kV	1.) Reliability Analysis: Load + Reserves and for TX constraints 500kV & 765kV 2.) Real-Time Market: LMP is greater than or equal to offer for at least 4 intervals and for TX constraints 500kV & 765kV
<u>East</u>	1.) Reliability Analysis: Conservative Operations and for TX constraints 345kV, 230kV, 115kV, 69kV 2.) Real-Time Market: LMP is not greater than or equal to offer for at least 4 intervals and for TX constraints 345kV, 230kV, 115kV, 69kV	1.) Reliability Analysis: Load + Reserves and for TX constraints 345kV, 230kV, 115kV, 69kV 2.) Real-Time Market: LMP is greater than or equal to offer for at least 4 intervals and for TX constraints 345kV, 230kV, 115kV, 69kV
<u>West</u>	1.) Reliability Analysis: Conservative Operations and for TX constraints 345kV, 230kV, 115kV, 69kV 2.) Real-Time Market: LMP is not greater than or equal to offer for at least 4 intervals and for TX constraints 345kV, 230kV, 115kV, 69kV	1.) Reliability Analysis: Load + Reserves and for TX constraints 345kV, 230kV, 115kV, 69kV 2.) Real-Time Market: LMP is greater than or equal to offer for at least 4 intervals and for TX constraints 345kV, 230kV, 115kV, 69kV

Table 3-64 Top 10 units and organizations receiving total operating reserve credits: January through August 2010 (See 2009 SOM, Table 3-81)

Rank	Units			Organizations		
	Total Credit	Total Credit Share	Total Credit Cumulative Distribution	Total Credit	Total Credit Share	Total Credit Cumulative Distribution
1	\$28,338,946	8.3%	8.3%	\$86,089,027	25.3%	25.3%
2	\$20,591,215	6.0%	14.4%	\$60,008,247	17.6%	42.9%
3	\$18,992,688	5.6%	19.9%	\$50,418,566	14.8%	57.7%
4	\$17,837,614	5.2%	25.2%	\$19,452,615	5.7%	63.4%
5	\$14,082,805	4.1%	29.3%	\$14,697,252	4.3%	67.7%
6	\$9,235,990	2.7%	32.0%	\$14,670,827	4.3%	72.0%
7	\$7,330,394	2.2%	34.2%	\$12,893,101	3.8%	75.8%
8	\$4,315,567	1.3%	35.4%	\$12,598,093	3.7%	79.5%
9	\$4,060,198	1.2%	36.6%	\$8,781,185	2.6%	82.0%
10	\$3,729,867	1.1%	37.7%	\$5,336,085	1.6%	83.6%

Table 3-69 Regional balancing charges allocation: January through August 2009 (New table)

	Reliability Charges			Deviation Charges				Total
	Real-Time Load	Real-Time Exports	Reliability Total	Demand Deviations	Supply Deviations	Generator Deviations	Deviations Total	
RTO	\$3,432,227	\$134,849	\$3,567,076	\$49,355,811	\$28,883,393	\$14,803,890	\$93,043,094	\$96,610,170
RTO	2.6%	0.1%	2.7%	37.9%	22.2%	11.4%	71.5%	74.2%
East	\$393,809	\$13,683	\$407,492	\$5,824,239	\$3,067,879	\$1,559,973	\$10,452,090	\$10,859,583
East	0.3%	0.0%	0.3%	4.5%	2.4%	1.2%	8.0%	8.3%
West	\$18,628,965	\$829,980	\$19,458,945	\$1,640,297	\$1,080,901	\$560,559	\$3,281,757	\$22,740,702
West	14.3%	0.6%	14.9%	1.3%	0.8%	0.4%	2.5%	17.5%
Total	\$22,455,001	\$978,512	\$23,433,513	\$56,820,347	\$33,032,173	\$16,924,422	\$106,776,941	\$130,210,454
Total	17.2%	0.8%	18.0%	43.6%	25.4%	13.0%	82.0%	100.0%

Table 3-70 Regional balancing charges allocation: January through August 2010 (New table)

	Reliability Charges			Deviation Charges				Total
	Real-Time Load	Real-Time Exports	Reliability Total	Demand Deviations	Supply Deviations	Generator Deviations	Deviations Total	
RTO	\$22,548,306 11.2%	\$879,407 0.4%	\$23,427,713 11.7%	\$56,618,230 28.2%	\$28,609,382 14.2%	\$17,114,271 8.5%	\$102,341,884 50.9%	\$125,769,597 62.6%
East	\$40,999,851 20.4%	\$1,531,514 0.8%	\$42,531,365 21.2%	\$8,925,001 4.4%	\$4,275,679 2.1%	\$2,262,166 1.1%	\$15,462,846 7.7%	\$57,994,211 28.9%
West	\$9,633,991 4.8%	\$317,445 0.2%	\$9,951,436 5.0%	\$4,099,141 2.0%	\$1,621,349 0.8%	\$1,533,137 0.8%	\$7,253,628 3.6%	\$17,205,063 8.6%
Total	\$73,182,148 36.4%	\$2,728,366 1.4%	\$75,910,514 37.8%	\$69,642,372 34.7%	\$34,506,411 17.2%	\$20,909,575 10.4%	\$125,058,358 62.2%	\$200,968,872 100%

Table 3-71 Differences between regional balancing charges allocation: January through August 2009 and 2010 (New Table)

	Reliability Charges			Deviation Charges				Total
	Real-Time Load	Real-Time Exports	Reliability Total	Demand Deviations	Supply Deviations	Generator Deviations	Deviations Total	
RTO	\$19,116,080 8.6%	\$744,558 0.3%	\$19,860,638 8.9%	\$7,262,419 (9.7%)	(\$274,010) (7.9%)	\$2,310,381 (2.9%)	\$9,298,790 (20.5%)	\$29,159,427 (11.6%)
East	\$40,606,042 20.1%	\$1,517,831 0.8%	\$42,123,873 20.9%	\$3,100,762 (0.0%)	\$1,207,800 (0.2%)	\$702,194 (0.1%)	\$5,010,756 (0.3%)	\$47,134,629 20.5%
West	(\$8,994,975) (9.5%)	(\$512,535) (0.5%)	(\$9,507,509) (10.0%)	\$2,458,844 0.8%	\$540,449 (0.0%)	\$972,578 0.3%	\$3,971,871 1.1%	(\$5,535,639) (8.9%)
Total	\$50,727,147 19.2%	\$1,749,854 0.6%	\$52,477,001 19.8%	\$12,822,025 (9.0%)	\$1,474,238 (8.2%)	\$3,985,153 (2.6%)	\$18,281,417 (19.8%)	\$70,758,418 0.0%

Figure 3-10 Regional reliability and deviation balancing operating reserve credits: December 2008 through August 2010 (New Figure)

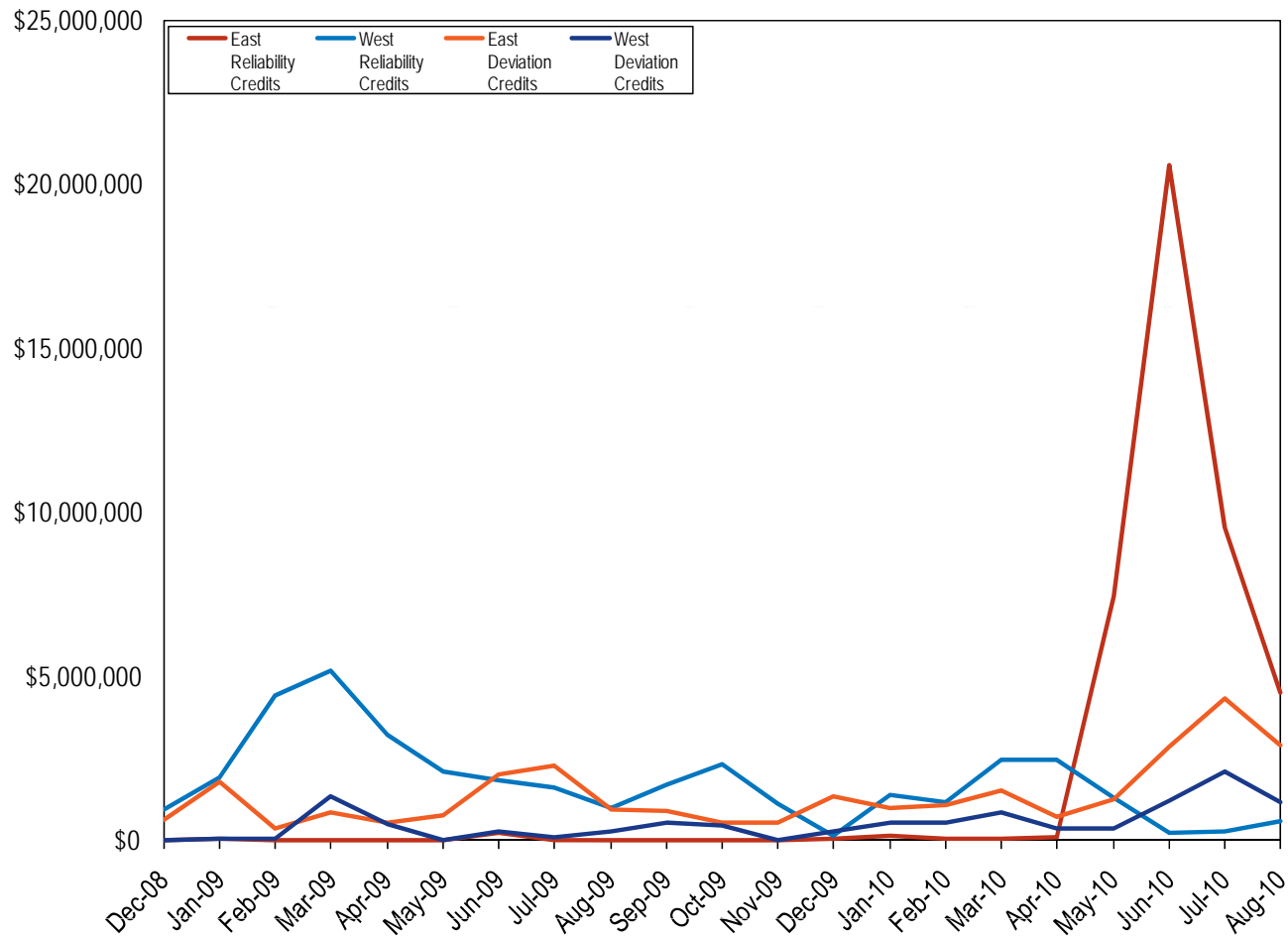


Figure 4-3 PJM scheduled import and export transaction volume history: 1999 through August 2010 (See 2009 SOM, Figure 4-3)

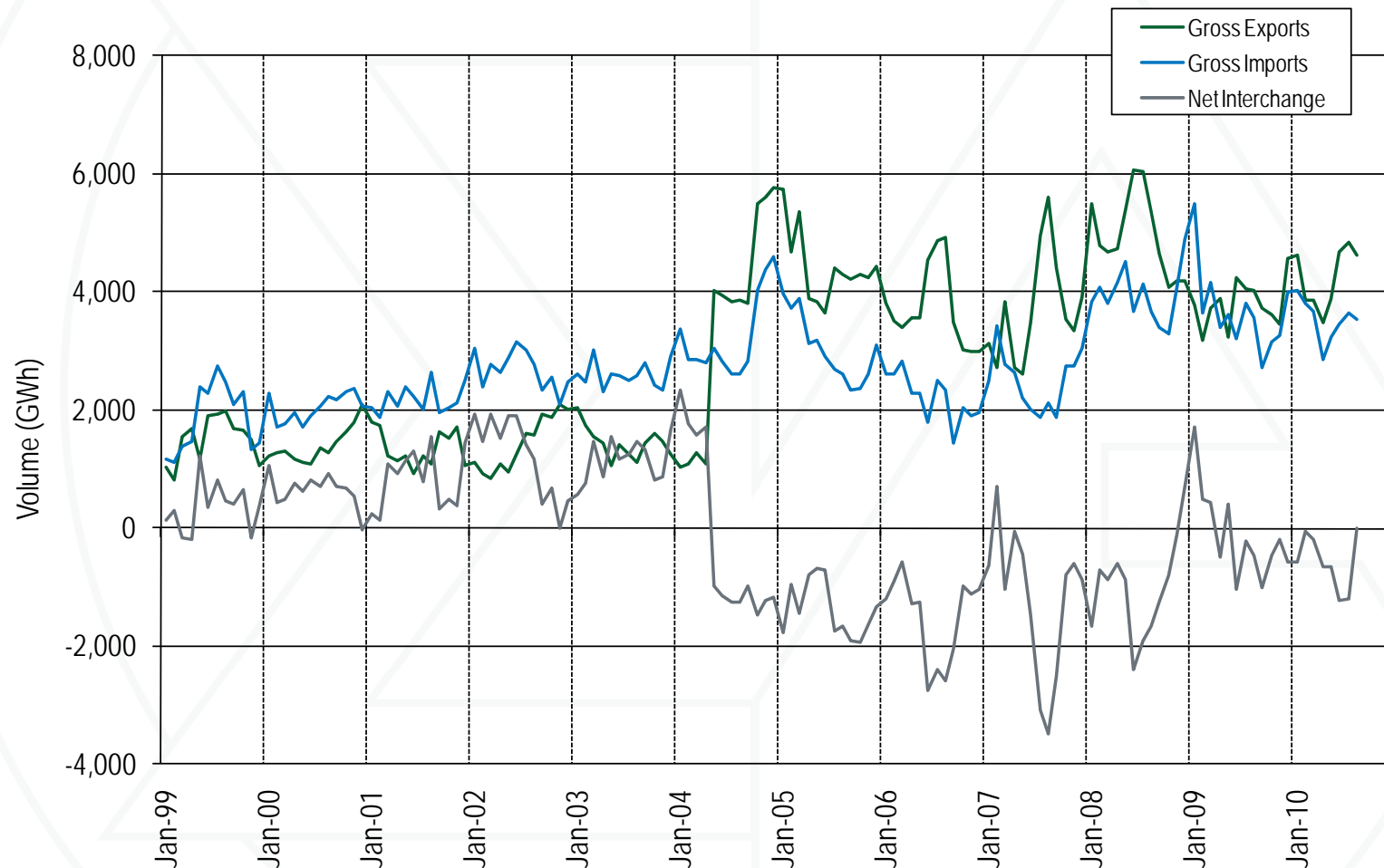
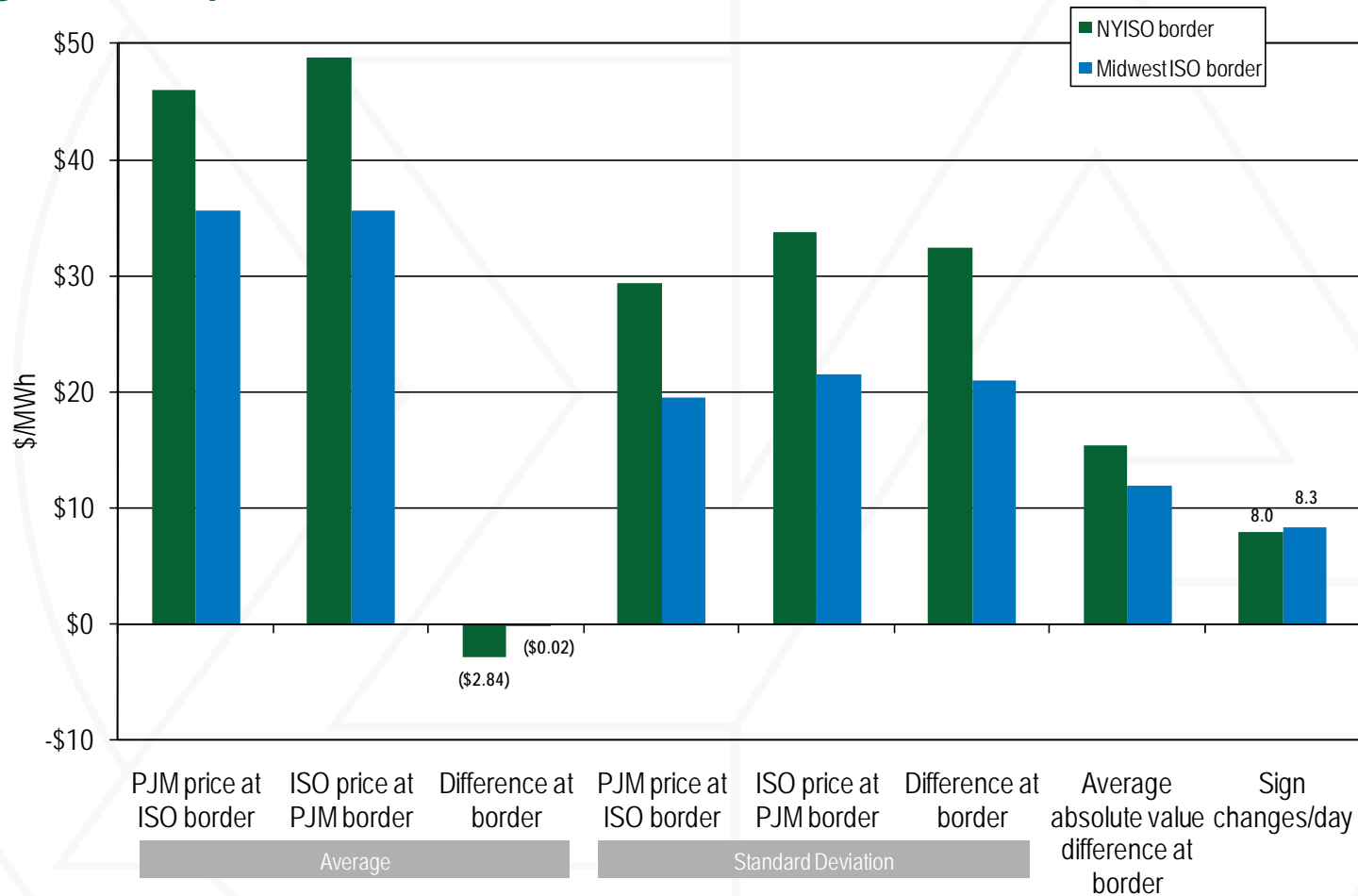


Figure 4-13 PJM, NYISO and Midwest ISO real-time border price averages: January through August 2010 (See 2009 SOM, Figure 4-13)



**Table 4-12 Net scheduled and actual PJM interface flows (GWh):
January through August 2010 (See 2009 SOM, Table 4-12)**

	Actual	Net Scheduled	Difference (GWh)	Difference (percent of net scheduled)
CPLC	5,268	(121)	5,389	(4454%)
CPLW	(1,267)	-	(1,267)	0%
DUK	(2,022)	194	(2,216)	(1142%)
EKPC	575	43	532	1237%
LGEE	812	764	48	6%
MEC	(1,687)	(3,436)	1,749	(51%)
MISO	(4,801)	237	(5,038)	(2126%)
ALTE	(3,768)	(203)	(3,565)	1756%
ALTW	(1,356)	(366)	(990)	270%
AMIL	4,155	(221)	4,376	(1980%)
CIN	1,064	2,223	(1,159)	(52%)
CWLP	(151)	-	(151)	0%
FE	(790)	(1,793)	1,003	(56%)
IPL	1,975	(217)	2,192	(1010%)
MECS	(8,057)	1,340	(9,397)	(701%)
NIPS	(1,504)	(301)	(1,203)	400%
WEC	3,631	(225)	3,856	(1714%)
NYISO	(7,482)	(9,111)	1,629	(18%)
LIND	(800)	(800)	-	0%
NEPT	(3,234)	(3,234)	-	0%
NYIS	(3,448)	(5,077)	1,629	(32%)
OVEC	4,712	7,620	(2,908)	(38%)
TVA	1,724	(606)	2,330	(384%)
Total	(4,168)	(4,416)	248	(5.6%)

Figure 4-15 Credits for coordinated congestion management: January through August 2010 (See 2009 SOM, Figure 4-15)

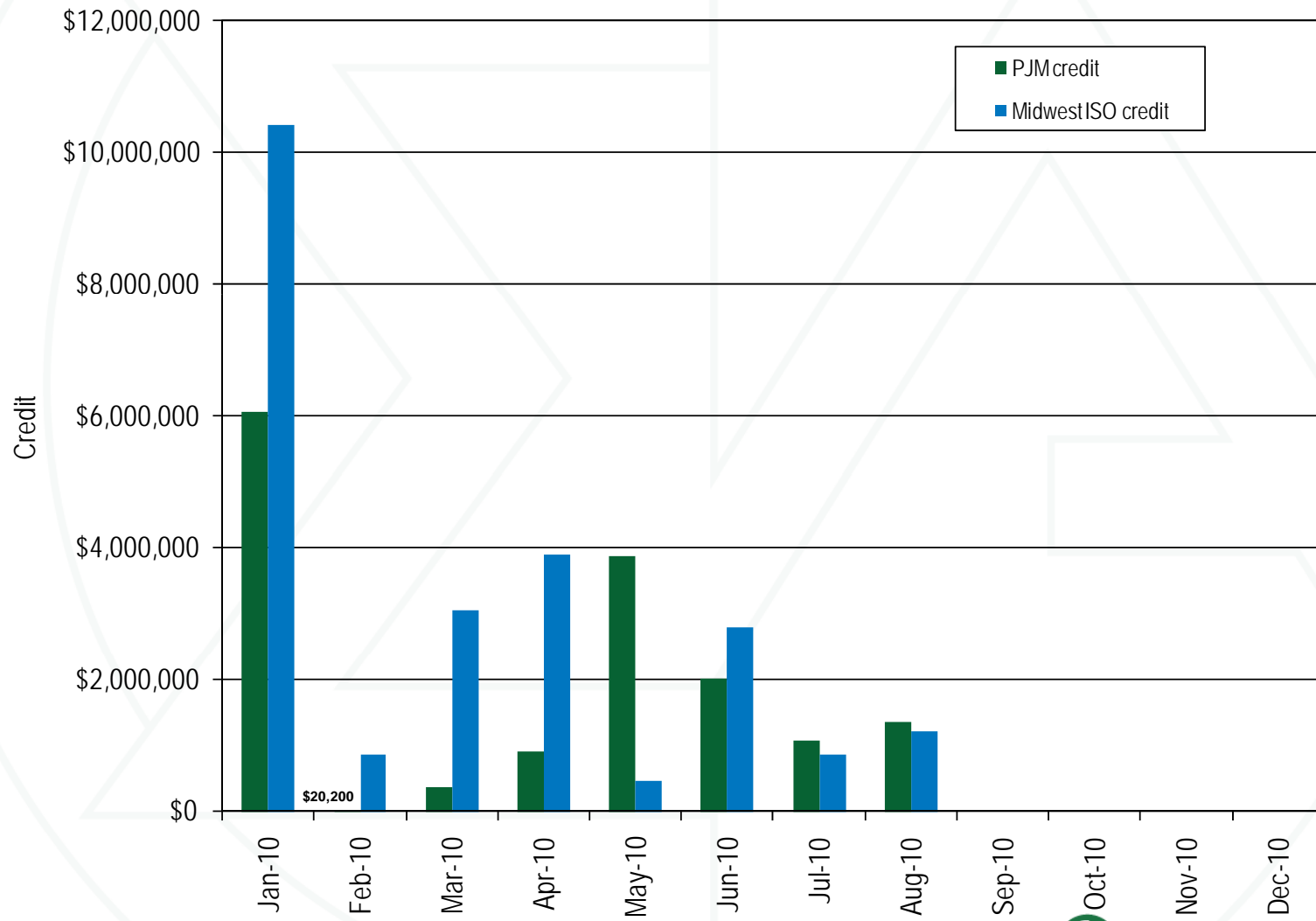


Figure 4-23 Monthly up-to congestion bids in MWh: January 2006 through August 2010 (See 2009 SOM, Figure 4-23)

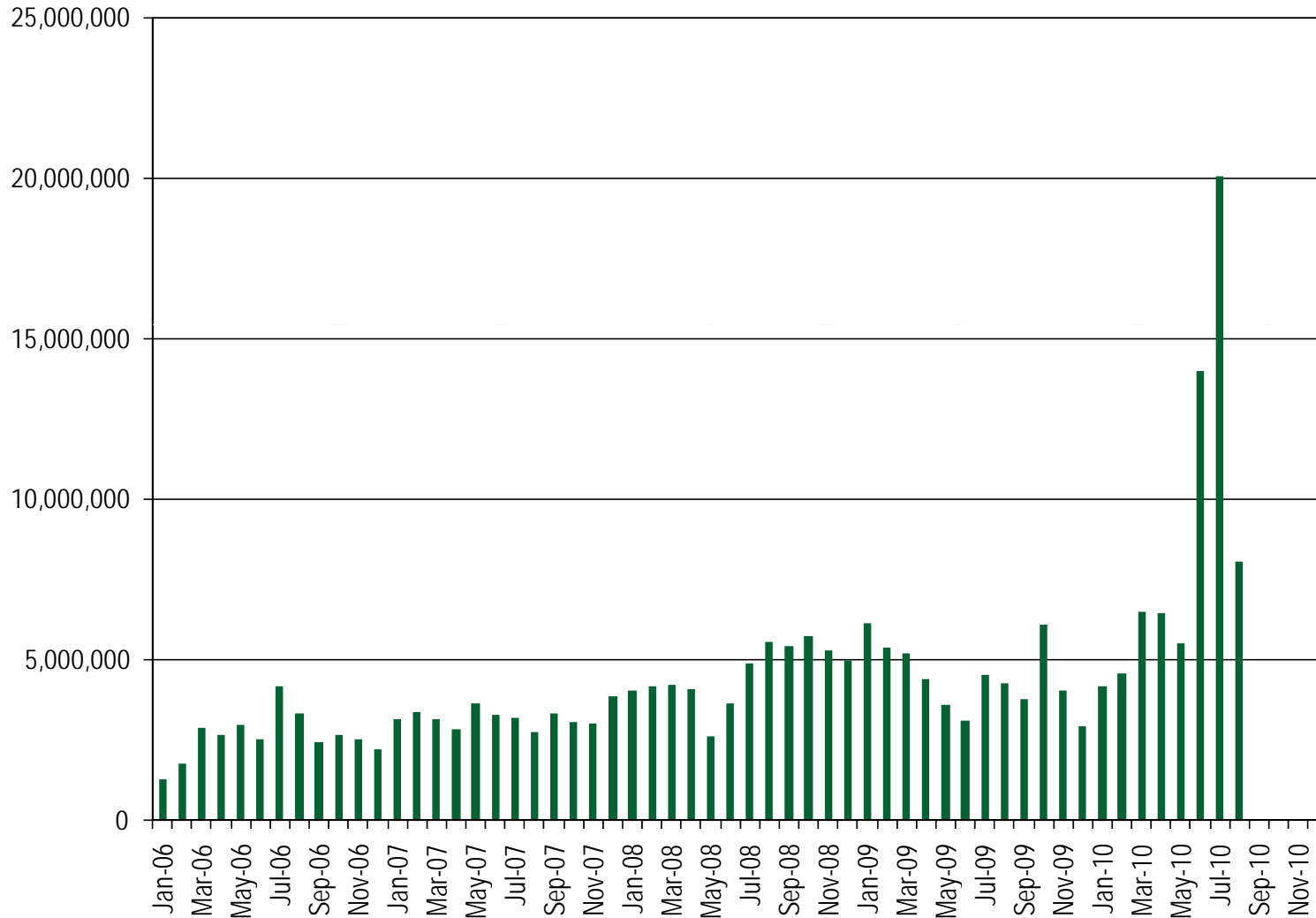


Figure 4-31 Monthly uncollected congestion charges: January through August 2010 (See 2009 SOM, Figure 4-31)

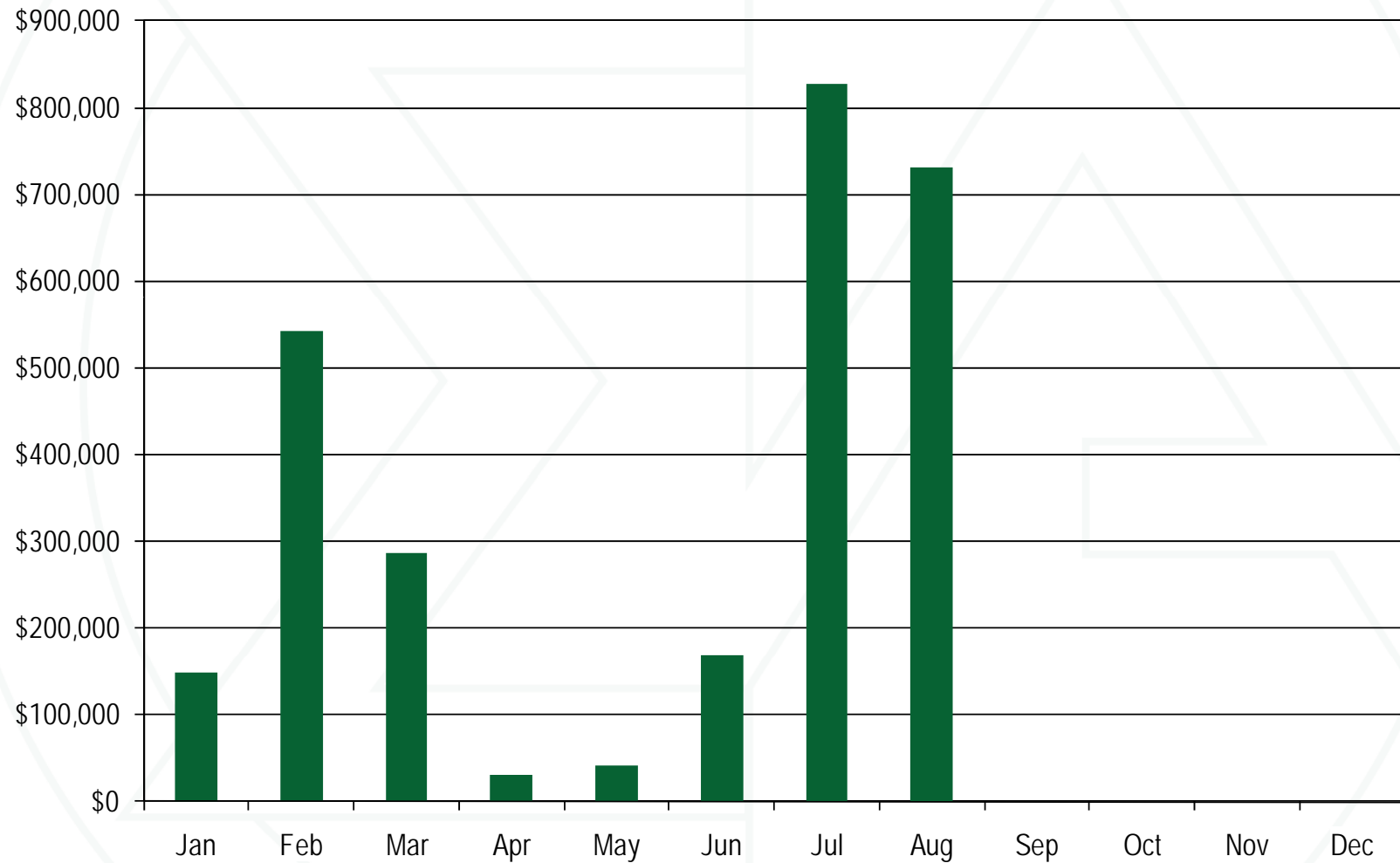
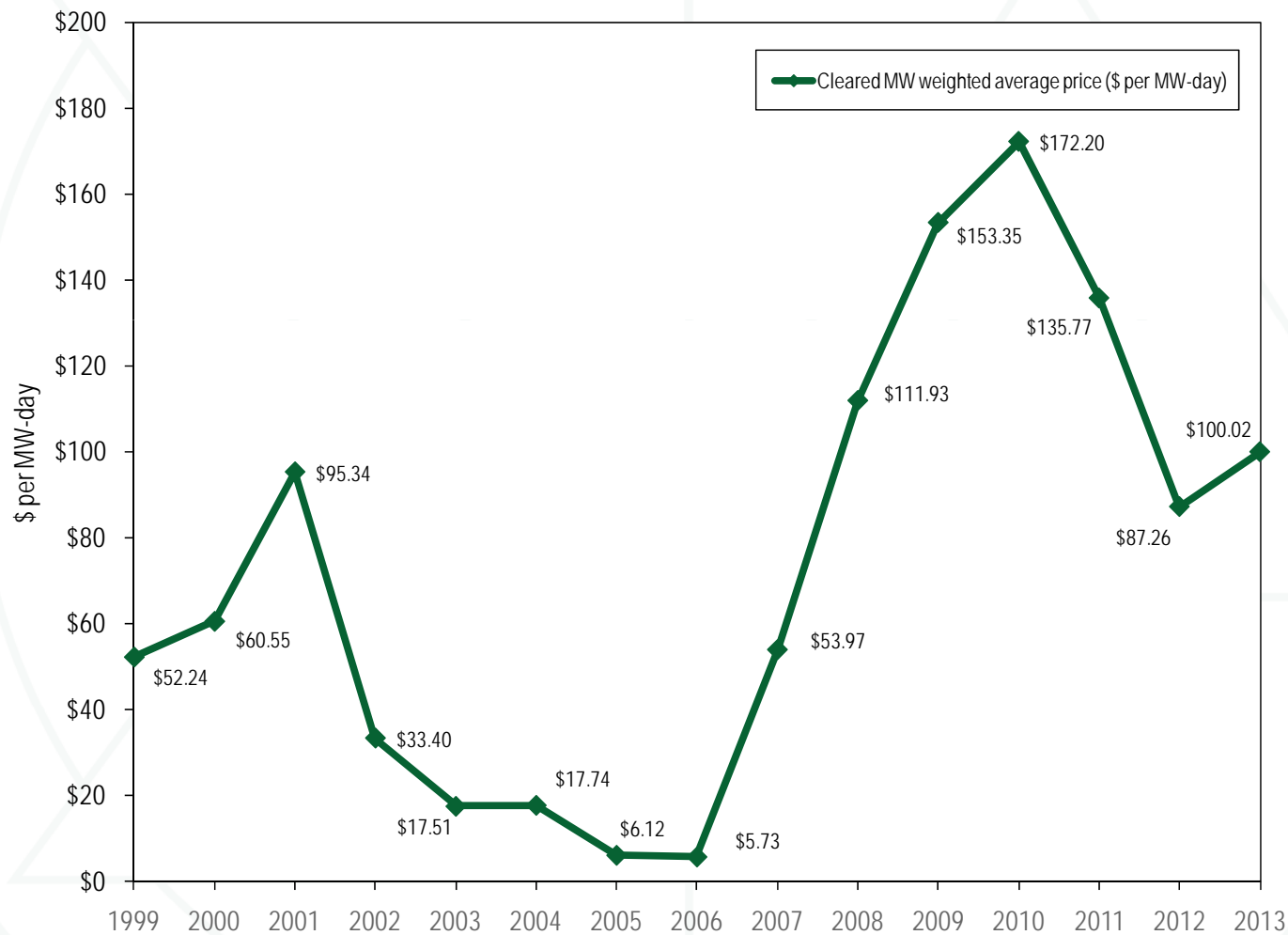


Table 5-10 Capacity prices: 2007/2008 through 2013/2014 RPM Auctions (See 2009 SOM, Table 5-10)

	RPM Clearing Price (\$ per MW-day)							
	RTO	MAAC	APS	EMAAC	SWMAAC	DPL South	PSEG North	Pepco
2007/2008 BRA	\$40.80	\$40.80	\$40.80	\$197.67	\$188.54	\$197.67	\$197.67	\$188.54
2008/2009 BRA	\$111.92	\$111.92	\$111.92	\$148.80	\$210.11	\$148.80	\$148.80	\$210.11
2008/2009 Third IA	\$10.00	\$10.00	\$10.00	\$10.00	\$223.85	\$10.00	\$10.00	\$223.85
2009/2010 BRA	\$102.04	\$191.32	\$191.32	\$191.32	\$237.33	\$191.32	\$191.32	\$237.33
2009/2010 Third IA	\$40.00	\$86.00	\$86.00	\$86.00	\$86.00	\$86.00	\$86.00	\$86.00
2010/2011 BRA	\$174.29	\$174.29	\$174.29	\$174.29	\$174.29	\$186.12	\$174.29	\$174.29
2010/2011 Third IA	\$50.00	\$50.00	\$50.00	\$50.00	\$50.00	\$50.00	\$50.00	\$50.00
2011/2012 BRA	\$110.00	\$110.00	\$110.00	\$110.00	\$110.00	\$110.00	\$110.00	\$110.00
2011/2012 First IA	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00
2011/2012 ATSI FRR Integration Auction	\$108.89	\$108.89	\$108.89	\$108.89	\$108.89	\$108.89	\$108.89	\$108.89
2012/2013 BRA	\$16.46	\$133.37	\$16.46	\$139.73	\$133.37	\$222.30	\$185.00	\$133.37
2012/2013 ATSI FRR Integration Auction	\$20.46	\$20.46	\$20.46	\$20.46	\$20.46	\$20.46	\$20.46	\$20.46
2013/2014 BRA	\$27.73	\$226.15	\$27.73	\$245.00	\$226.15	\$245.00	\$245.00	\$247.14

Figure 5-1 History of capacity prices: Calendar year 1999 through 2013 (See 2009 SOM, Figure 5-1)



**Table 7-1 Total annual PJM congestion (Dollars (Millions)):
Calendar years 2003 through August 2010 (See 2009 SOM, Table 7-1)**

	Congestion Charges	Percent Change	Total PJM Billing	Percent of PJM Billing
2003	\$464	NA	\$6,900	7%
2004	\$750	62%	\$8,700	9%
2005	\$2,092	179%	\$22,630	9%
2006	\$1,603	(23%)	\$20,945	8%
2007	\$1,846	15%	\$30,556	6%
2008	\$2,117	15%	\$34,306	6%
2009	\$719	(66%)	\$26,550	3%
2010 (Jan - Aug)	\$1,020	NA	\$23,508	4%
Total	\$9,591		\$174,095	6%