



# Load Response Activity Report January- July 2010

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PJM Demand Side Response  
August 12, 2010



# Delivery Year 2010-2011 Active Participants in PJM Load Response Program: as of 08/01/2010 (page 1 of 2)

State	Zone	EDC	Economic Program		Emergency Energy Only		Emergency ILR		Emergency DR		Emergency Total
			Sites	MW	Sites	MW	Sites	MW	Sites	MW	
DC	PEPCO	PEPCO	11	16.8			117	59.3	9	3.2	62.5
DE	DPL	DEMEC					3	4.8			4.8
DE	DPL	DOVDE					10	6.0			6.0
DE	DPL	DPL	42	94.9			114	95.5	9	9.3	104.8
DE	DPL	ODEC					3	1.9			1.9
IL	COMED	BATAV					1	0.5			0.5
IL	COMED	COMED	109	137.2			1,751	1,432.8	104	29.0	1,461.8
IL	COMED	NAPRVL					1	2.3			2.3
IN	AEP	AEPSCT					2	0.1	7	241.8	241.9
IN	AEP	HEREC					1	13.4			13.4
IN	AEP	WVSDI					1	44.0			44.0
MD	APS	AETSAP	14	31.7			115	82.1	10	6.4	88.5
MD	APS	AETSHG					5	2.7	5	0.4	3.2
MD	BGE	BC	74	477.7			599	431.7	69	405.8	837.5
MD	DOM	ODEC							4	1.1	1.1
MD	DPL	DPL	18	6.9			94	46.2	5	0.7	46.9
MD	DPL	EASTON							1	1.0	1.0
MD	DPL	ODEC	1	0.5			11	8.0	2	0.1	8.1
MD	PEPCO	PEPCO	22	16.6			214	125.5	19	8.3	133.8
MD	PEPCO	SMECO	8	3.7			16	16.8	16	3.4	20.2
MI	AEP	AEPSCT	1	0.5			4	6.1			6.1
NC	DOM	DOMEDC	1	68.5			18	87.3			87.3
NJ	AECO	AE	40	13.4			164	67.1	2	6.1	73.2
NJ	AECO	VMEU	2	1.0			9	3.4			3.4
NJ	JCPL	AECI					1	0.3			0.3
NJ	JCPL	JCBGS	85	108.1			314	158.4	30	19.7	178.2
NJ	PSEG	PSEG	201	55.7			836	380.1	20	6.6	386.7
NJ	RECO	RECO	7	0.7			8	1.7			1.7
OH	AEP	AEPSCT	22	17.6			520	464.7	44	111.0	575.7
OH	AEP	AMPO					46	221.9	1	1.7	223.6
OH	AEP	BUCK					4	39.7			39.7
OH	DAY	AMPO					11	42.0			42.0
OH	DAY	BUCK					1	3.4			3.4
OH	DAY	DAYEDC	10	11.5			204	160.6	5	1.2	161.8



# Delivery Year 2010-2011 Active Participants in PJM Load Response Program: as of 08/01/2010 (page 2 of 2)

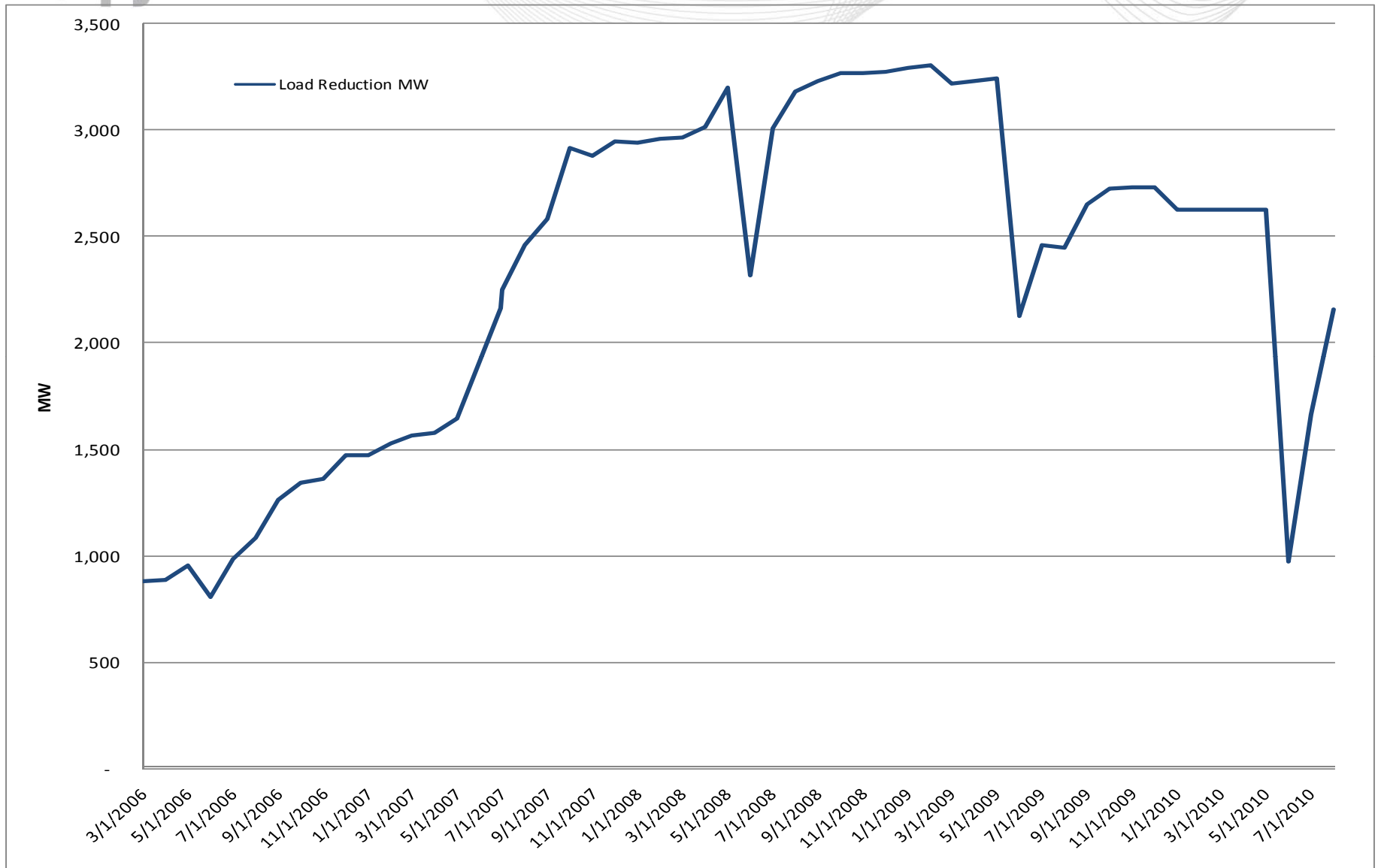
State	Zone	EDC	Economic Program		Emergency Energy Only		Emergency ILR		Emergency DR		Emergency Total MW
			Sites	MW	Sites	MW	Sites	MW	Sites	MW	
PA	APS	AECI					2	1.9			1.9
PA	APS	AETSAP	35	95.8			567	377.3	14	4.7	382.0
PA	APS	CHBDTE	1	0.4			4	2.0			2.0
PA	DUQ	DLCO	61	87.3			320	200.1	14	4.6	204.7
PA	METED	AECI					1	1.7			1.7
PA	METED	MetEd	65	69.0			276	183.8	12	2.2	186.0
PA	PECO	PE	304	160.1			789	404.8	80	21.1	425.9
PA	PENELEC	AECI					3	8.9			8.9
PA	PENELEC	PaElec	64	60.3			413	286.5	18	16.8	303.3
PA	PPL	AECI					1	0.1			0.1
PA	PPL	AMPO	2	0.2			9	4.0	2	0.2	4.3
PA	PPL	CTZECL	4	2.2			7	4.2			4.2
PA	PPL	PPL	159	175.9			934	699.6	48	13.3	712.9
PA	PPL	UGI-UI					13	9.2	3	0.5	9.7
TN	AEP	AEPSCT					7	15.0			15.0
VA	AEP	AEPSCT	18	11.2			183	273.6	6	1.1	274.7
VA	AEP	AMPO					19	29.7			29.7
VA	APS	AETSAP					47	43.0			43.0
VA	DOM	CVEC							3	0.9	0.9
VA	DOM	DOMEDC	108	186.5			694	700.3	108	29.2	729.5
VA	DOM	DOMVME	7	94.4			7	94.4			94.4
VA	DOM	NVEC	4	35.9			7	23.5			23.5
VA	DOM	ODEC	10	55.4			17	69.0	5	0.5	69.5
VA	DPL	ODEC					7	0.4	1	4.5	4.9
WV	AEP	AEPSCT	7	1.5			208	249.1	13	129.4	378.5
WV	AEP	APWVP					9	2.3			2.3
WV	APS	AETSAP	10	59.5			262	245.3	9	26.6	271.8
WV	APS	AMPO					2	0.2			0.2
<b>Total</b>			<b>1,527</b>	<b>2,158</b>	<b>0</b>	<b>0</b>	<b>10,006</b>	<b>7,940</b>	<b>698</b>	<b>1,112</b>	<b>9,052</b>

**Note:**

- 1) Data as of 08/01/2010.
- 2) Emergency MW are in ICAP.
- 3) Residential Direct Load Control (DLC) registrations reported as one site not a total number of end use customers in that program.

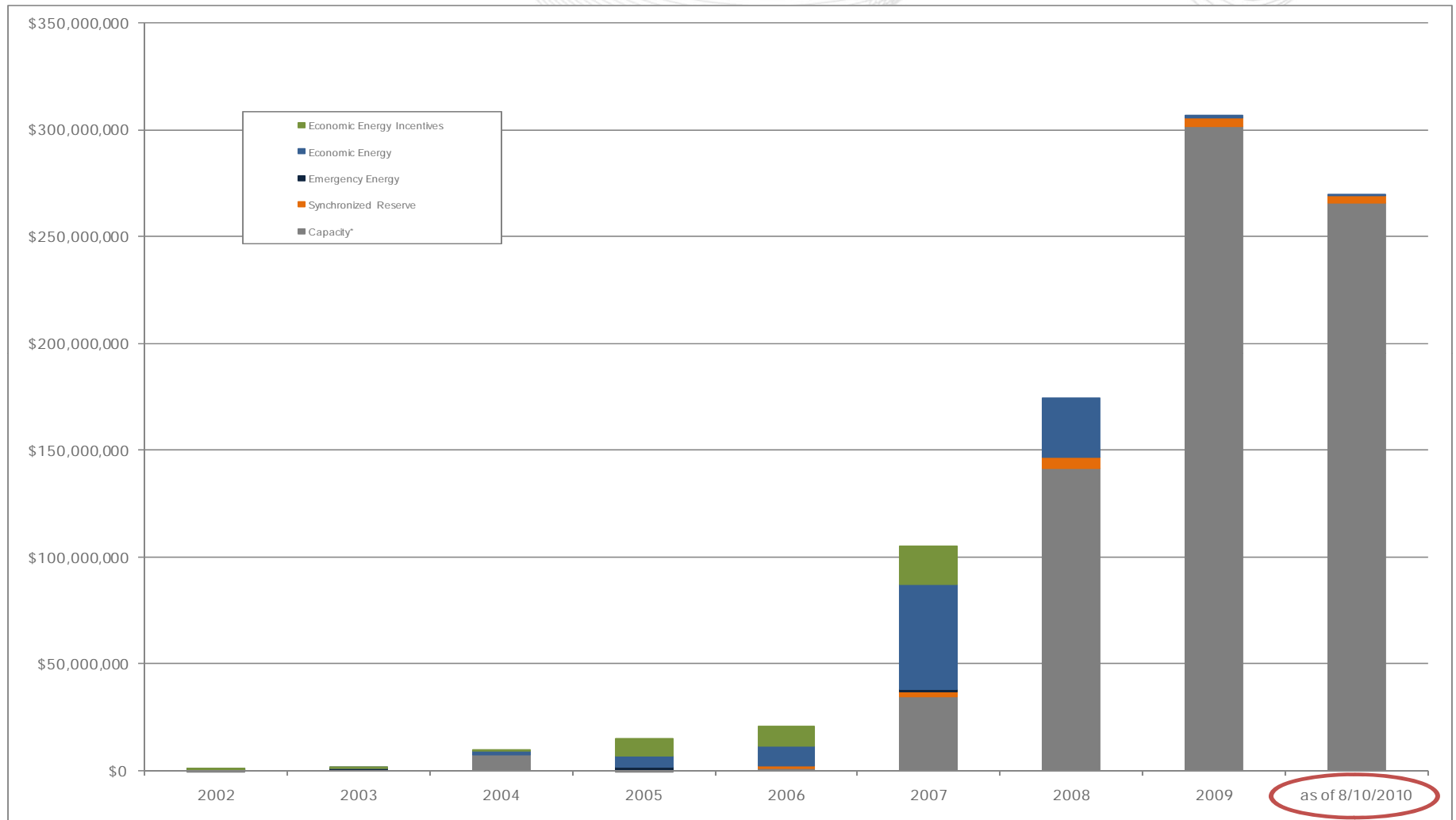


# PJM Economic Load Response Capability (MW): 3/1/2006 - 8/1/2010





# PJM Demand Side Response Estimated Revenue



\*Capacity Net Revenue inclusive of Capacity Credits and Charges.



## 2010 Economic Demand Side Response Monthly Site Participation

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
IL	COMED	14	8	7	5	10	5						
MD	APS			1									
	BGE							23					
	PEPCO	1	1			1	1	1					
NJ	AECO	1											
	JCPL	1		1	1	1	2						
	PSEG					1							
PA	APS	1	1	1	1	4	1	1					
	METED	1					1						
	PECO	28	14	17	12	21	25	7					
	PENELEC	2				2	1						
	PPL	8	4	3	1	6	2	1					
VA	DOM	23	5	10	4	15	6						
<b>Total</b>		<b>80</b>	<b>33</b>	<b>40</b>	<b>24</b>	<b>61</b>	<b>44</b>	<b>33</b>					

Average Number of Unique Participating Sites per Month:

45



## 2010 Economic Demand Side Response Monthly Site Participation Day-Ahead Activity

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
IL	COMED												
MD	APS												
	BGE												
	PEPCO												
NJ	AECO												
	JCPL												
	PSEG												
PA	APS												
	METED												
	PECO												
	PENELEC												
	PPL												
VA	DOM	3	2			5							
<b>Total</b>		<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>					

Average Number of Unique Participating Sites per Month: 1



## 2010 Economic Demand Side Response Monthly Site Participation Real-Time Activity

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
IL	COMED	14	8	7	5	10	5						
MD	APS			1									
	BGE							23					
	PEPCO	1	1			1	1	1					
NJ	AECO	1											
	JCPL	1		1	1	1	2						
	PSEG					1							
PA	APS	1	1	1	1	4	1	1					
	METED	1					1						
	PECO	28	14	17	12	21	25	7					
	PENELEC	2				2	1						
	PPL	8	4	3	1	6	2	1					
VA	DOM	20	3	10	4	13	6						
<b>Total</b>		<b>77</b>	<b>31</b>	<b>40</b>	<b>24</b>	<b>59</b>	<b>44</b>	<b>33</b>					

Average Number of Unique Participating Sites per Month:

44



## 2010 Economic Demand Side Response Monthly MWh Reductions

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
IL	COMED	318	33	19	22	166	45						
MD	APS			7									
	BGE							1541					
NJ	PEPCO	4	8			0	5	0					
	AECO	0											
	JCPL	8		2	0	1	3						
PA	PSEG					4							
	APS	306	430	454	382	338	421	179					
	METED	2					20						
	PECO	1010	640	723	1761	1839	2144	750					
VA	PENELEC	1				2	15						
	PPL	321	56	17	10	14	4	1					
	DOM	2944	706	129	232	1049	2529						
<b>Total</b>		<b>4913</b>	<b>1874</b>	<b>1351</b>	<b>2407</b>	<b>3414</b>	<b>5186</b>	<b>2471</b>					

**Total MWh: 21,616**



## 2010 Economic Demand Side Response Monthly MWh Reductions Day-Ahead Activity

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
IL	COMED												
MD	APS												
	BGE												
	PEPCO												
NJ	AECO												
	JCPL												
	PSEG												
PA	APS												
	METED												
	PECO												
	PENELEC												
	PPL												
VA	DOM	452	59			8							
<b>Total</b>		<b>452</b>	<b>59</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>					

**Total Day Ahead MWh:            519**



## 2010 Economic Demand Side Response Monthly MWh Reductions Real-Time Activity

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
IL	COMED	318	33	19	22	166	45						
MD	APS			7									
	BGE							1541					
	PEPCO	4	8			0	5	0					
NJ	AECO	0											
	JCPL	8		2	0	1	3						
	PSEG					4							
PA	APS	306	430	454	382	338	421	179					
	METED	2					20						
	PECO	1010	640	723	1761	1839	2144	750					
	PENELEC	1				2	15						
	PPL	321	56	17	10	14	4	1					
VA	DOM	2492	647	129	232	1041	2529						
<b>Total</b>		<b>4461</b>	<b>1815</b>	<b>1351</b>	<b>2407</b>	<b>3405</b>	<b>5186</b>	<b>2471</b>					

**Total Real Time MWh: 21,097**



## 2010 Economic Demand Side Response Monthly Net CSP Credits

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
IL	COMED	\$ 10,461	\$ 259	\$ 265	\$ 5	\$ 2,846	\$ 256						
MD	APS		\$ 73										
	BGE						\$ 290,171						
	PEPCO	\$ 203	\$ 192		\$ 58	\$ 323	\$ 46						
NJ	AECO	\$ 25											
	JCPL	\$ 733	\$ 19	\$ 6	\$ 21	\$ 168							
	PSEG				\$ 5								
PA	APS	\$ 5,511	\$ 6,612	\$ 4,005	\$ 4,393	\$ 10,344	\$ 11,613	\$ 11,855					
	METED	\$ 16				\$ 294							
	PECO	\$ 39,461	\$ 17,519	\$ 13,021	\$ 32,332	\$ 41,221	\$ 44,285	\$ 18,942					
	PENELEC	\$ 156				\$ 117	\$ 58						
	PPL	\$ 8,217	\$ 1,710	\$ -	\$ 46	\$ 623	\$ 453	\$ 7					
VA	DOM	\$ 171,449	\$ 34,048	\$ 7,693	\$ 18,885	\$ 68,925	\$ 166,555						
<b>Total</b>		<b>\$ 236,232</b>	<b>\$ 60,340</b>	<b>\$ 25,076</b>	<b>\$ 55,669</b>	<b>\$ 124,161</b>	<b>\$ 224,006</b>	<b>\$ 321,021</b>					

**Total CSP Credits: \$ 1,046,503**



## 2010 Economic Demand Side Response Monthly Net CSP Credits Day-Ahead Activity

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
IL	COMED												
MD	APS												
	BGE												
	PEPCO												
NJ	AECO												
	JCPL												
	PSEG												
PA	APS												
	METED												
	PECO												
	PENELEC												
	PPL												
VA	DOM	\$ 6,663	\$ 1,051			\$ 148							
<b>Total</b>		<b>\$ 6,663</b>	<b>\$ 1,051</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 148</b>	<b>\$ -</b>	<b>\$ -</b>					

**Total Day Ahead CSP Credits: \$ 7,862**



## 2010 Economic Demand Side Response Monthly Net CSP Credits Real-Time Activity

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
IL	COMED	\$ 10,461	\$ 259	\$ 265	\$ 5	\$ 2,846	\$ 256						
MD	APS		\$ 73										
	BGE						\$ 290,171						
	PEPCO	\$ 203	\$ 192		\$ 58	\$ 323	\$ 46						
NJ	AECO	\$ 25											
	JCPL	\$ 733	\$ 19	\$ 6	\$ 21	\$ 168							
	PSEG				\$ 5								
PA	APS	\$ 5,511	\$ 6,612	\$ 4,005	\$ 4,393	\$ 10,344	\$ 11,613	\$ 11,855					
	METED	\$ 16				\$ 294							
	PECO	\$ 39,461	\$ 17,519	\$ 13,021	\$ 32,332	\$ 41,221	\$ 44,285	\$ 18,942					
	PENELEC	\$ 156				\$ 117	\$ 58						
	PPL	\$ 8,217	\$ 1,710	\$ -	\$ 46	\$ 623	\$ 453	\$ 7					
VA	DOM	\$ 164,786	\$ 32,996	\$ 7,693	\$ 18,885	\$ 68,777	\$ 166,555						
<b>Total</b>		<b>\$ 229,569</b>	<b>\$ 59,288</b>	<b>\$ 25,076</b>	<b>\$ 55,669</b>	<b>\$ 124,013</b>	<b>\$ 224,006</b>	<b>\$ 321,021</b>					

**Total Real Time CSP Credits:                      \$ 1,038,641**



## 2010 RPM (ILR & DR) Demand Side Response Monthly Capacity Revenue

Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AECO	\$538,827	\$486,683	\$538,827	\$521,446	\$538,827	\$498,630	\$515,251					
AEP	\$3,871,619	\$3,496,946	\$3,871,619	\$3,746,728	\$3,871,619	\$7,469,753	\$7,718,744					
APS	\$3,380,342	\$3,053,212	\$3,380,342	\$3,271,298	\$3,380,342	\$4,134,986	\$4,272,819					
BGE	\$4,971,814	\$4,490,671	\$4,971,814	\$4,811,433	\$4,971,814	\$4,877,253	\$5,039,828					
COMED	\$4,423,355	\$3,995,288	\$4,423,355	\$4,280,666	\$4,423,355	\$7,893,843	\$8,156,971					
DAY	\$667,966	\$603,324	\$667,966	\$646,419	\$667,966	\$1,114,399	\$1,151,545					
DOM	\$1,655,820	\$1,495,580	\$1,655,820	\$1,602,407	\$1,655,820	\$5,271,768	\$5,447,494					
DPL	\$1,117,919	\$1,009,733	\$1,117,919	\$1,081,857	\$1,117,919	\$1,053,129	\$1,088,233					
DUQ	\$387,642	\$350,129	\$387,642	\$375,138	\$387,642	\$1,082,462	\$1,118,544					
JCPL	\$1,374,149	\$1,241,167	\$1,374,149	\$1,329,822	\$1,374,149	\$1,259,066	\$1,301,034					
METED	\$1,357,392	\$1,226,031	\$1,357,392	\$1,313,605	\$1,357,392	\$1,166,215	\$1,205,089					
PECO	\$2,717,550	\$2,454,561	\$2,717,550	\$2,629,887	\$2,717,550	\$2,735,060	\$2,826,229					
PENELEC	\$1,325,705	\$1,197,411	\$1,325,705	\$1,282,941	\$1,325,705	\$1,768,655	\$1,827,610					
PEPCO	\$1,161,239	\$1,048,861	\$1,161,239	\$1,123,780	\$1,161,239	\$1,265,186	\$1,307,359					
PPL	\$3,583,739	\$3,236,926	\$3,583,739	\$3,468,134	\$3,583,739	\$3,982,417	\$4,115,164					
PSEG	\$2,266,920	\$2,047,540	\$2,266,920	\$2,193,793	\$2,266,920	\$2,454,980	\$2,536,813					
RECO	\$24,425	\$22,061	\$24,425	\$23,637	\$24,425	\$8,967	\$9,266					
<b>Total</b>	<b>\$34,826,423</b>	<b>\$31,456,124</b>	<b>\$34,826,423</b>	<b>\$33,702,990</b>	<b>\$34,826,423</b>	<b>\$48,036,768</b>	<b>\$49,637,993</b>					

Total Capacity Credits: \$267,313,143



## 2010 Economic Demand Side Response Monthly UDS Activity

Year	Time Month	CSPs		Zone		Sites			MWh			Site Hours			Payments Settled
		Notified	Settled	Notified	Settled	Notified	Settled	%	Notified	Settled	%	Notified	Settled	%	
2010	1	2	2	10	9	118	63	53%	2,440	617	25%	3,280	713	22%	\$32,660
2010	2	2	2	6	5	60	16	27%	209	48	23%	305	87	29%	\$2,303
2010	3	2	2	10	5	108	27	25%	290	54	19%	357	105	29%	\$2,457
2010	4	1	1	6	3	51	9	18%	121	33	28%	222	63	28%	\$306
2010	5	2	2	10	8	116	43	37%	942	271	29%	1,567	261	17%	\$11,154
2010	6	1	1	8	7	85	26	31%	1,326	99	7%	2,518	239	9%	\$3,964
2010	7	3	1	12	4	112	4	4%	3,868	32	1%	5,770	44	1%	\$4,019
2010	8														
2010	9														
2010	10														
2010	11														
2010	12														

**YTD Totals** 650 188 29% 9,196 1,154 13% 14,019 1,512 11% \$56,863

**YTD Average** 2 2 9 6

Notified = PJM hours dispatched - Self schedule hours where self schedule hour is same as dispatch hour.

Settled = All settlement hours during the PJM dispatch window where settlement hours that correlate to self schedule notification are omitted

Notes:

1) If a CSP self-schedules a customer during the same hour the customer is dispatched by PJM, the hour is NOT considered as PJM Dispatched. This method is consistent with the current PJM settlement rules.

2) "Settled" based on confirmed settlement information and "Notified" based on PJM dispatch and self-schedule notification information.

**3) Settlement information is submitted up to 60 days after the event. Therefore, YTD performance reflected in this report for the current 2 months is artificially low due to incomplete information at the time of report preparation.**



## 2010 Economic Demand Side Response Monthly Self Scheduled Activity

Year	Time Month	CSPs		Zone		Sites			MWh			Site Hours			Payments Actual
		Notified	Settled	Notified	Settled	Notified	Settled	%	Notified	Settled	%	Notified	Settled	%	
2010	1	10	4	11	6	55	27	49%	21,063	3,844	18%	7,878	2,282	29%	\$196,909
2010	2	8	2	8	5	37	19	51%	8,569	1,768	21%	4,670	2,062	44%	\$56,985
2010	3	6	3	5	5	26	17	65%	4,774	1,297	27%	3,036	1,571	52%	\$22,619
2010	4	5	2	8	4	29	17	59%	4,920	2,374	48%	2,804	1,289	46%	\$55,363
2010	5	5	4	9	5	42	22	52%	9,323	3,134	34%	3,612	1,493	41%	\$112,858
2010	6	9	6	13	6	72	28	39%	9,098	5,087	56%	4,268	1,736	41%	\$220,042
2010	7	15	3	15	5	139	33	24%	11,880	2,440	21%	6,453	527	8%	\$317,002
2010	8														
2010	9														
2010	10														
2010	11														
2010	12														

**YTD Totals** 400 163 41% 69,628 19,943 29% 32,721 10,960 33% \$981,778

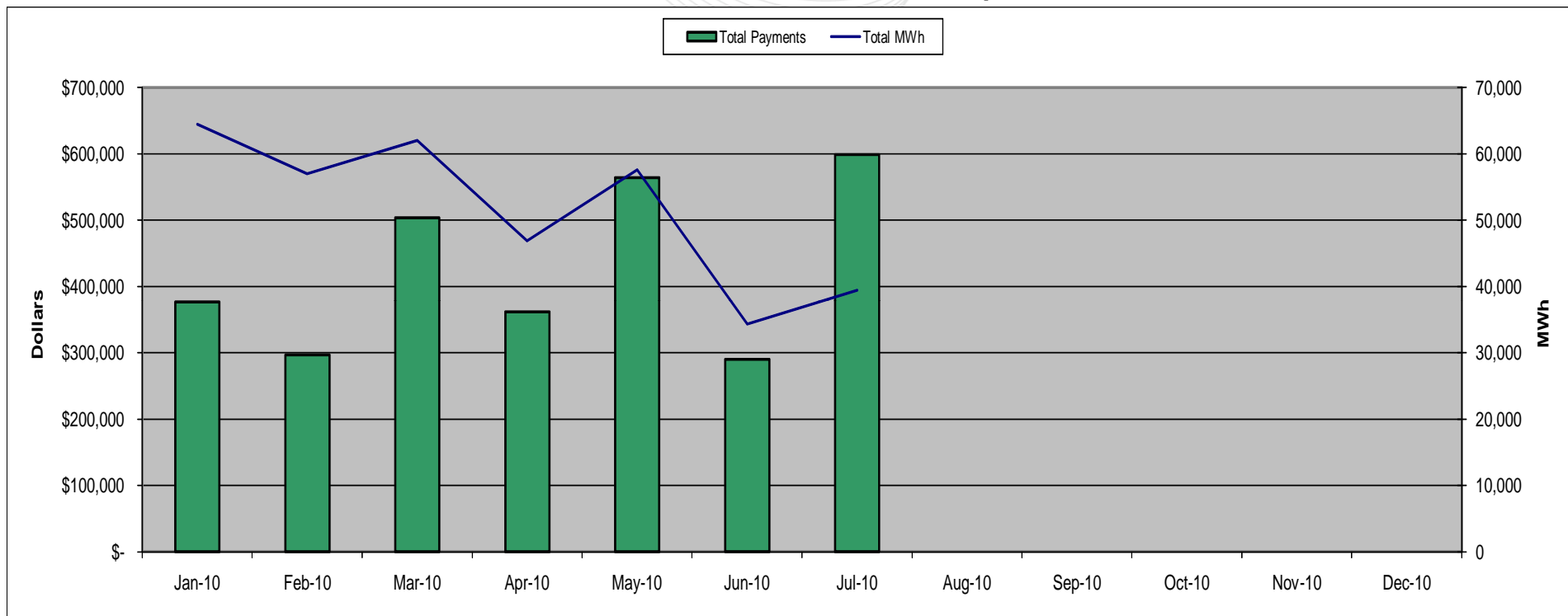
**YTD Average** 8 3 10 5

Notified = CSP self scheduled volume.  
Settled = All settlement hours submitted for self scheduled notifications.

- Notes:
- 1) "Settled" based on confirmed settlement information and "Notified" based on self-schedule notification information.
  - 2) **Settlement information is submitted up to 60 days after the event. Therefore, YTD performance reflected in this report for the current 2 months is artificially low due to incomplete information at the time of report preparation.**



## 2010 Demand Side Response Synchronized Reserve Participation



	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Total
<b>Total MWh</b>	64,433.38	56,989.36	62,032.40	46,871.43	57,577.27	34,362.64	39,470.48						361,736.96
<b>Total Payments</b>	\$376,290.19	\$296,561.75	\$503,691.53	\$361,696.91	\$564,355.32	\$290,462.35	\$599,012.51						\$2,992,070.56
<b>\$ / MWh</b>	\$5.84	\$5.20	\$8.12	\$7.72	\$9.80	\$8.45	\$15.18						\$8.27

MWh = sum of the settled MW  
(Example: 1 MW load available for 12 hours = 12 MWh)