



Load Response Activity Report January- December 2009

Jack O'Neill
PJM Demand Side Response
October 8, 2010



2010 Active Participants in PJM Load Response Program: 01/13/2010

State	Zone	EDC	Economic Program		Emergency Energy Only		Emergency ILR		Emergency DR		Unique		
			Sites	MW	Sites	MW	Sites	MW	Sites	MW	Sites	Energy	ICAP
DC	PEPCO	PEPCO	9	6.6			94	35.6	11	4.3	106	40.2	39.9
DE	DPL	DEMEC					2	1.9	1	1.8	3	3.7	3.7
DE	DPL	DOVDE					2	0.6	3	0.8	5	1.4	1.4
DE	DPL	DPL	55	122.4			92	114.7	6	6.0	128	184.4	120.7
DE	DPL	ODEC					3	2.1	1	0.2	4	2.3	2.3
IL	COMED	COMED	774	459.4			1,308	1,276.2	22	66.6	1,854	1,562.1	1,342.9
IL	COMED	NAPRVL					1	0.9			1	0.9	0.9
IN	AEP	AEPSCT	1	22.5			51	79.0	7	231.5	58	310.4	310.4
IN	AEP	HEREC					1	17.0			1	17.0	17.0
MD	APS	AETSAP	12	33.0			77	61.3	5	0.6	85	62.2	61.8
MD	APS	AETSHG					3	1.1	2	0.5	5	1.6	1.6
MD	BGE	BC	159	649.5			401	404.6	113	237.3	574	673.8	641.9
MD	DPL	DPL	18	9.4			66	29.1	4	3.9	72	34.3	33.0
MD	DPL	EASTON							1	1.0	1	1.0	1.0
MD	DPL	ODEC	2	0.3			1	0.2			2	0.3	0.2
MD	PEPCO	PEPCO	14	14.5			163	62.5	26	14.0	191	76.8	76.5
MD	PEPCO	SMECO							7	1.3	7	1.3	1.3
MI	AEP	AEPSCT					6	3.1			6	3.1	3.1
NC	DOM	DOMEDC					3	101.2			3	101.2	101.2
NJ	AECO	AE	41	18.0			133	58.6	4	0.4	154	65.1	59.0
NJ	AECO	VMEU					6	2.6			6	2.6	2.6
NJ	JCPL	AECI					1	0.3			1	0.3	0.3
NJ	JCPL	JCBGS	75	102.1			304	142.4	8	4.0	321	153.3	146.5
NJ	PSEG	PSEG	159	66.5			642	276.4	19	36.5	755	327.1	312.9
NJ	RECO	RECO	9	1.3			17	3.1	4	0.4	22	3.8	3.5
OH	AEP	AEPSCT	20	33.1			335	461.4	7	201.4	342	679.8	662.8
OH	AEP	AMPO					26	215.9			26	215.9	215.9
OH	AEP	BUCK					5	49.4			5	49.4	49.4
OH	DAY	AMPO					10	41.1			10	41.1	41.1
OH	DAY	BUCK					2	3.6			2	3.6	3.6
OH	DAY	DAYEDC	10	14.2			159	159.7	1	0.3	164	164.7	160.0
PA	APS	AECI					1	0.6			1	0.6	0.6
PA	APS	AETSAP	65	100.4			279	228.3	24	5.1	312	237.3	233.4
PA	APS	CHBDTE	1	0.4			4	2.0			4	2.0	2.0
PA	DUQ	DLCO	34	72.2			190	118.6	4	1.7	196	121.8	120.4
PA	METED	AECI					1	1.5			1	1.5	1.5
PA	METED	MeEd	47	75.1			197	219.3	18	3.7	224	229.7	223.0
PA	PECO	PE	186	137.6			566	333.6	83	18.2	692	379.2	351.8
PA	PENELEC	AECI					3	8.0			3	8.0	8.0
PA	PENELEC	PaElec	42	31.6			250	207.5	40	4.7	292	213.1	212.2
PA	PPL	AECI					1	0.0			1	0.0	0.0
PA	PPL	AMPO					7	3.0			7	3.0	3.0
PA	PPL	CTZECL	3	0.3			6	3.4	1	1.0	7	4.4	4.4
PA	PPL	PPL	141	194.2			556	575.4	100	18.1	673	607.3	593.5
PA	PPL	UGI-UI	1	1.0			10	6.0	1	0.2	11	6.2	6.2
TN	AEP	AEPSCT					3	14.8			3	14.8	14.8
VA	AEP	AEPSCT	22	95.5			115	141.9	2	0.2	117	142.1	142.1
VA	AEP	AMPO					19	27.5			19	27.5	27.5
VA	APS	AETSAP	4	5.1			29	32.1	3	0.3	32	32.3	32.3
VA	DOM	CVEC							3	1.9	3	1.9	1.9
VA	DOM	DOMEDC	83	135.1			447	351.7	19	5.4	515	382.9	357.1
VA	DOM	NVEC	15	56.3			3	32.3			16	68.1	32.3
VA	DOM	ODEC	3	50.4			16	21.4			18	21.8	21.4
VA	DPL	ODEC					1	0.1			1	0.1	0.1
WV	AEP	AEPSCT	4	69.6			109	174.8	3	146.3	112	321.2	321.2
WV	APS	AETSAP	9	57.9			125	164.5	14	0.9	139	165.4	165.4
Total			2,018	2,635	0	0	6,852	6,274	567	1,021	8,313	7,776.9	7,294.3

Note:

1) Data as of 01/13/2010.

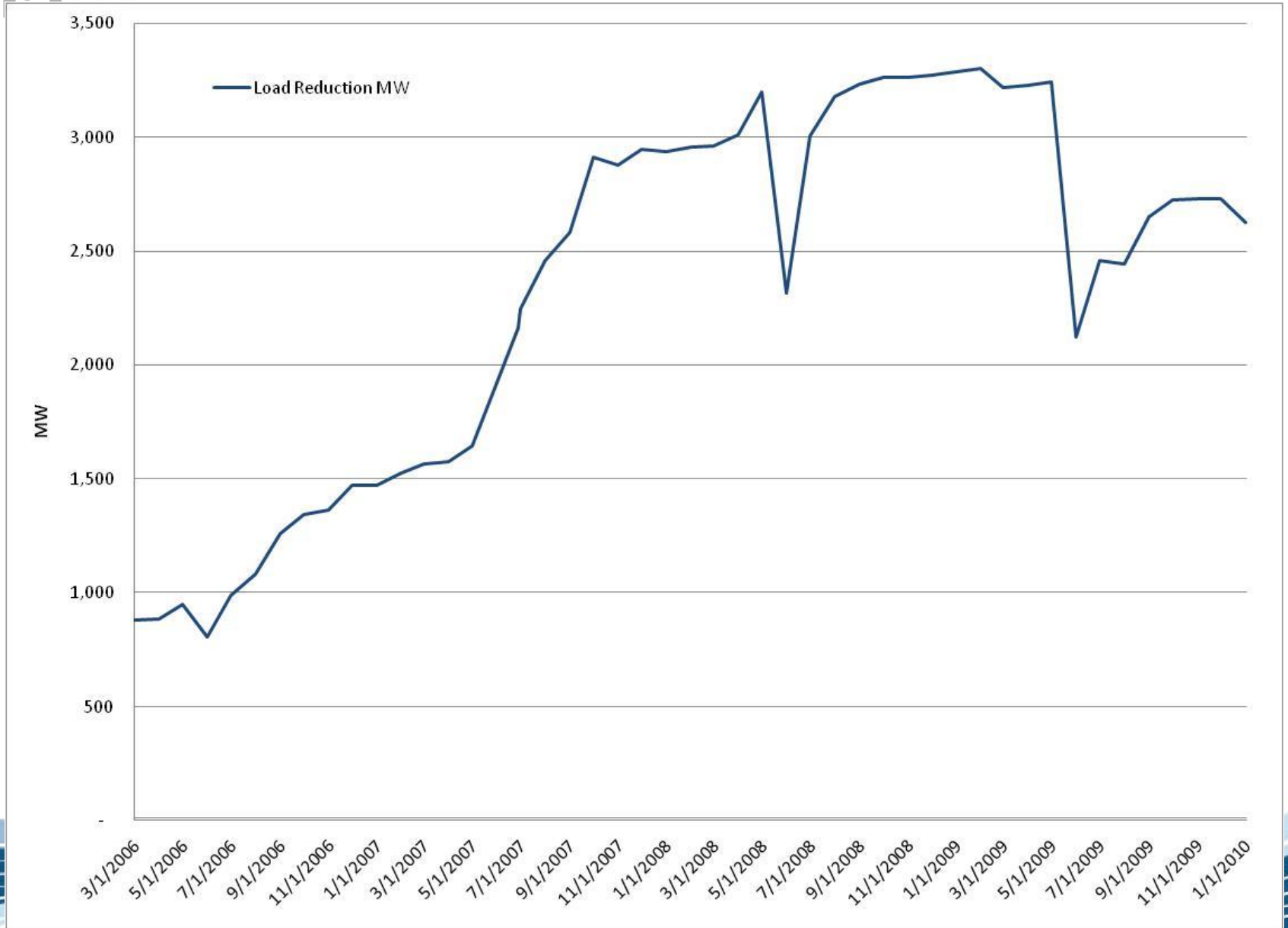
2) Both "Energy" and "ICAP" are expressed in MW.

3) "ICAP" is accounted for the 2009/2010 planning period.

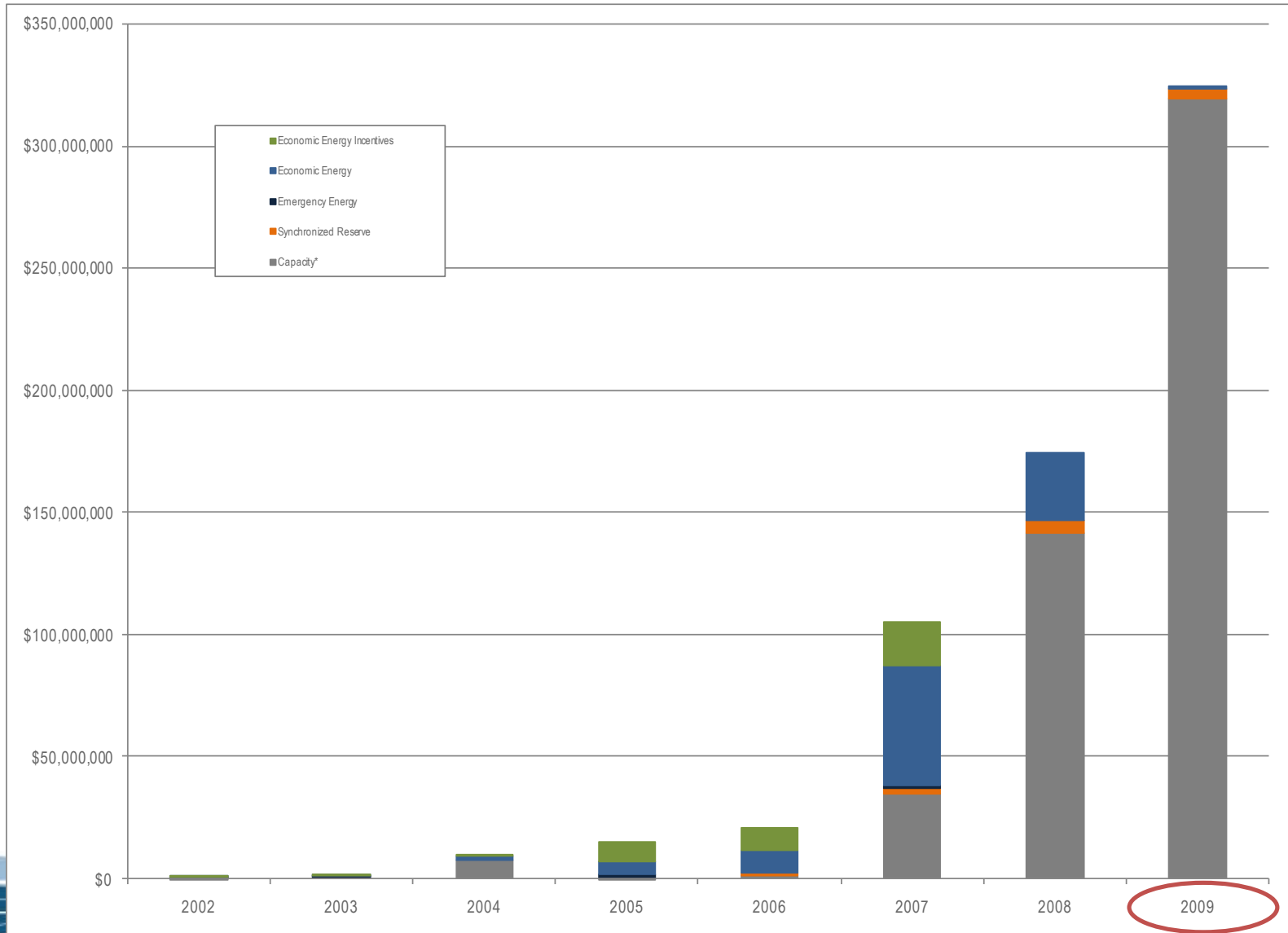
4) Unique Energy: represents total estimated demand reduction assuming full ILR and DR compliance and full economic program reductions (reduction estimates are by EDC).

5) Unique Sites: counts the number of registrations. Multiple registrations with the same EDC account are only counted once.

6) Unique ICAP: is the sum of ILR and DR MW.



PJM Demand Side Response Estimated Revenue





2009 Economic Demand Side Response Monthly Site Participation

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DC	PEPCO	2	1	1	1				2		2		1
DE	DPL	4					1		3				
IL	COMED	16	16	15	4	14	1	1	1				9
MD	APS	2			1					2			
	BGE	18							2				
	DPL	1							1				
	PEPCO	2	1						1				1
NJ	AECO	6				2	2	1					
	JCPL	2	2	1						1			1
	PSEG	5	1	1	1	2	8	1	1				1
	RECO	1											
OH	AEP	1	1										
	DAY									1			
PA	APS	1	1	1		2	1	1		1	1	1	1
	DUQ									1		1	1
	METED	7	2	1	1	1			2		1		1
	PECO	57	38	41	24	27	25	15	24	11	17	15	22
	PENELEC	1		1		1		1	1				1
	PPL	30	22	20	10	10	7	7	11	5	10	5	9
VA	APS									1			
	DOM	27	18	31	8	8	1	2	4	1	3	2	3
WV	AEP			1	1					1			
	APS				1				1			1	1
Total		183	103	114	52	67	46	29	54	25	34	25	52

Average Number of Unique Participating Sites per Month: 65



2009 Economic Demand Side Response Monthly Site Participation Day-Ahead Activity

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DE	DPL												
IL	COMED												
MD	APS												
	BGE												
	PEPCO												
NJ	AECO												
	JCPL												
	PSEG												
	RECO												
PA	APS												
	METED												
	PECO												
	PPL	2	2	2	1								
VA	DOM	1	2	3					2				
WV	AEP				1								
Total		3	4	5	2				2				

Average Number of Unique Participating Day-Ahead Sites: 3



2009 Economic Demand Side Response Monthly Site Participation Real-Time Activity

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DC	PEPCO	2	1	1	1				2		2		1
DE	DPL	4					1		3				
IL	COMED	16	16	15	4	14	1	1	1				9
MD	APS	2			1					2			
	BGE	18							2				
	DPL	1							1				
NJ	PEPCO	2	1						1				1
	AECO	6				2	2	1					
	JCPL	2	2	1						1			1
	PSEG	5	1	1	1	2	8	1	1				1
OH	RECO	1											
	AEP	1	1										
PA	DAY									1			
	APS	1	1	1		2	1	1		1	1	1	1
	DUQ									1		1	1
	METED	7	2	1	1	1			2		1		1
	PECO	57	38	41	24	27	25	15	24	11	17	15	22
VA	PENELEC	1		1		1		1	1				1
	PPL	28	20	18	9	10	7	7	11	5	10	5	9
	APS									1			
WV	DOM	26	16	28	8	8	1	2	2	1	3	2	3
	AEP			1						1			
	APS				1				1			1	1
Total		180	99	109	50	67	46	29	52	25	34	25	52

Average Number of Unique Participating Sites per Month: 64



2009 Economic Demand Side Response Monthly MWh Reductions

Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PEPCO	31	4	3	1				6		8		3
DPL	8					0		4				
COMED	232	177	283	4	61	64	239	1				66
APS	29			1					3			
BGE	49							10				
DPL	2							1				
PEPCO	29	97						0				0
AECO	40				1	2	4					
JCPL	2	5	2						0			2
PSEG	168	3	1	12	55	12	49	7				10
RECO	1											
AEP	1,756	197										
DAY									3			
APS	70	23	0		7	617	585		175	326	92	227
DUQ									1		2	3
METED	59	1	7	1	1			7		8		2
PECO	734	700	925	937	2,279	591	1,049	1,738	1,712	2,183	1,983	1,558
PENELEC	154		0		2		50	659				10
PPL	3,940	3,004	3,618	1,349	1,127	358	1,975	3,934	359	805	243	2,307
APS									3			
DOM	2,000	994	627	3	19	570	125	488	376	392	369	869
AEP			1,942	1,317					1			
APS				376				175			138	124
	9,303	5,206	7,409	4,001	3,553	2,213	4,077	7,030	2,633	3,723	2,829	5,182

Total MWh Reductions: 57,157



2009 Economic Demand Side Response Monthly MWh Reductions Day-Ahead Activity

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DE	DPL												
IL	COMED												
MD	APS												
	BGE												
	PEPCO												
NJ	AECO												
	JCPL												
	PSEG												
	RECO												
PA	APS												
	METED												
	PECO												
	PPL	860.132	474.965	764.547	82								
VA	DOM	0	29	46					13				
WV	AEP				1,317								
Total		860	504	811	1,399				13				

Total Day-Ahead MWh Reductions: 3,586



2009 Economic Demand Side Response Monthly MWh Reductions Real-Time Activity

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DC	PEPCO	31	4	3	1				6		8		3
DE	DPL	8					0		4				
IL	COMED	232	177	283	4	61	64	239	1				66
MD	APS	29			1					3			
	BGE	49							10				
	DPL	2							1				
NJ	PEPCO	29	97						0				0
	AECO	40				1	2	4					
	JCPL	2	5	2						0			2
	PSEG	168	3	1	12	55	12	49	7				10
OH	RECO	1											
	AEP	1,756	197										
PA	DAY									3			
	APS	70	23	0		7	617	585		175	326	92	227
	DUQ									1		2	3
	METED	59	1	7	1	1			7		8		2
	PECO	734	700	925	937	2,279	591	1,049	1,738	1,712	2,183	1,983	1,558
	PENELEC	154		0		2		50	659				10
VA	PPL	3,080	2,529	2,854	1,267	1,127	358	1,975	3,934	359	805	243	2,307
	APS									3			
WV	DOM	2,000	965	581	3	19	570	125	475	376	392	369	869
	AEP			1,942						1			
	APS				376				175			138	124
Total		8,443	4,702	6,598	2,602	3,553	2,213	4,077	7,017	2,633	3,723	2,829	5,182

Total Real-Time MWh Reductions: 53,571



2009 Economic Demand Side Response Monthly Net CSP Credits

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DC	PEPCO	\$1,410	\$47	\$111	\$0				\$117		\$141		\$210
DE	DPL	\$363					\$0		\$103				
IL	COMED	\$945	\$870	\$1,373	\$6	\$494		\$0	\$0				\$1,813
MD	APS	\$2,070			\$25					\$56			
	BGE	\$2,291							\$169				
	DPL	\$51							\$40				
	PEPCO	\$766	\$3,457						\$8				\$22
NJ	AECO	\$802				\$4	\$0	\$40					
	JCPL	\$0	\$33	\$54						\$17			\$91
	PSEG	\$3,763	\$62	\$23	\$147	\$19	\$9	\$275	\$448				\$11
	RECO	\$12											
OH	AEP	\$0	\$2,850										
	DAY								\$104				
PA	APS	\$5,499	\$895	\$65		\$87	\$12,531	\$6,435		\$2,523	\$3,589	\$778	\$4,536
	DUQ									\$21		\$63	
	METED	\$3,263	\$47	\$137	\$26	\$2			\$231		\$55		\$12
	PECO	\$35,602	\$19,218	\$25,785	\$16,157	\$32,681	\$7,853	\$11,332	\$29,741	\$18,946	\$42,448	\$29,038	\$31,977
	PENELEC	\$6,661		\$8		\$39							\$79
	PPL	\$202,544	\$84,920	\$73,591	\$64,065	\$8,989	\$1,751	\$31,850	\$94,766	\$9,886	\$12,593	\$2,310	\$43,666
VA	APS									\$27			
VA	DOM	\$131,255	\$62,746	\$18,919	\$0	\$524	\$2,521	\$1,709	\$11,569	\$4,395	\$6,730	\$11,224	\$31,525
WV	AEP			\$38,927	\$23,063					\$19			
	APS				\$25,415				\$8,287			\$2,770	\$2,499
Total		\$397,298	\$175,145	\$158,991	\$128,904	\$42,839	\$24,665	\$51,643	\$145,478	\$35,995	\$65,556	\$46,182	\$116,441

Total CSP Credits: \$1,389,136



2009 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
DC	PEPCO												
DE	DPL												
IL	COMED												
MD	APS												
	BGE												
	DPL												
	PEPCO												
NJ	AECO												
	JCPL												
	PSEG												
	RECO												
OH	AEP												
	DAY												
PA	APS												
	DUQ												
	METED												
	PECO												
	PENELEC												
	PPL	\$37,415	\$11,683	\$16,107	\$851								
VA	DOM	-\$40	-\$120	\$2,441					\$381				
WV	AEP				\$23,063								
	APS												
Total		\$37,375	\$11,563	\$18,549	\$23,914				\$381				

Total Day-Ahead CSP Credits: \$91,781



2009 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
DC	PEPCO	\$1,410	\$47	\$111	\$0				\$117		\$141		\$210
DE	DPL	\$363					\$0		\$103				
IL	COMED	\$945	\$870	\$1,373	\$6	\$494		\$0	\$0				\$1,813
MD	APS	\$2,070			\$25					\$56			
	BGE	\$2,291							\$169				
	DPL	\$51							\$40				
	PEPCO	\$766	\$3,457						\$8				\$22
NJ	AECO	\$802				\$4	\$0	\$40					
	JCPL	\$0	\$33	\$54						\$17			\$91
	PSEG	\$3,763	\$62	\$23	\$147	\$19	\$9	\$275	\$448				\$11
	RECO	\$12											
OH	AEP	\$0	\$2,850										
	DAY									\$104			
PA	APS	\$5,499	\$895	\$65		\$87	\$12,531	\$6,435		\$2,523	\$3,589	\$778	\$4,536
	DUQ									\$21		\$63	
	METED	\$3,263	\$47	\$137	\$26	\$2			\$231		\$55		\$12
	PECO	\$35,602	\$19,218	\$25,785	\$16,157	\$32,681	\$7,853	\$11,332	\$29,741	\$18,946	\$42,448	\$29,038	\$31,977
	PENELEC	\$6,661		\$8		\$39							\$79
	PPL	\$165,129	\$73,237	\$57,484	\$63,214	\$8,989	\$1,751	\$31,850	\$94,766	\$9,886	\$12,593	\$2,310	\$43,666
VA	APS									\$27			
	DOM	\$131,295	\$62,866	\$16,478	\$0	\$524	\$2,521	\$1,709	\$11,188	\$4,395	\$6,730	\$11,224	\$31,525
WV	AEP			\$38,927						\$19			
	APS				\$25,415				\$8,287			\$2,770	\$2,499
Total		\$359,924	\$163,582	\$140,442	\$104,990	\$42,839	\$24,665	\$51,643	\$145,097	\$35,995	\$65,556	\$46,182	\$116,441

Total Real-Time CSP Credits: \$1,297,355



2009 RPM (ILR & DR) Demand Side Response Monthly Capacity Revenue

Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AECO	\$154,551	\$139,595	\$154,551	\$149,566	\$154,551	\$521,446	\$538,827	\$538,827	\$521,446	\$538,827	\$521,446	\$538,827
AEP	\$2,568,523	\$2,319,956	\$2,568,523	\$2,485,667	\$2,568,523	\$3,746,728	\$3,871,619	\$3,871,619	\$3,746,728	\$3,871,619	\$3,746,728	\$3,871,619
APS	\$963,859	\$870,582	\$963,859	\$932,767	\$963,859	\$3,271,298	\$3,380,342	\$3,380,342	\$3,271,298	\$3,380,342	\$3,271,298	\$3,380,342
BGE	\$2,848,292	\$2,572,651	\$2,848,292	\$2,756,411	\$2,848,292	\$4,811,433	\$4,971,814	\$4,971,814	\$4,811,433	\$4,971,814	\$4,811,433	\$4,971,814
COMED	\$3,294,602	\$2,975,769	\$3,294,602	\$3,188,324	\$3,294,602	\$4,280,666	\$4,423,355	\$4,423,355	\$4,280,666	\$4,423,355	\$4,280,666	\$4,423,355
DAY	\$258,904	\$233,849	\$258,904	\$250,552	\$258,904	\$646,419	\$667,966	\$667,966	\$646,419	\$667,966	\$646,419	\$667,966
DOM	\$296,319	\$267,643	\$296,319	\$286,760	\$296,319	\$1,602,407	\$1,655,820	\$1,655,820	\$1,602,407	\$1,655,820	\$1,602,407	\$1,655,820
DPL	\$531,329	\$479,910	\$531,329	\$514,189	\$531,329	\$1,081,857	\$1,117,919	\$1,117,919	\$1,081,857	\$1,117,919	\$1,081,857	\$1,117,919
DUQ	\$258,489	\$233,474	\$258,489	\$250,151	\$258,489	\$375,138	\$387,642	\$387,642	\$375,138	\$387,642	\$375,138	\$387,642
JCPL	\$554,279	\$500,639	\$554,279	\$536,399	\$554,279	\$1,329,822	\$1,374,149	\$1,374,149	\$1,329,822	\$1,374,149	\$1,329,822	\$1,374,149
METED	\$681,734	\$615,760	\$681,734	\$659,743	\$681,734	\$1,313,605	\$1,357,392	\$1,357,392	\$1,313,605	\$1,357,392	\$1,313,605	\$1,357,392
PECO	\$1,375,581	\$1,242,460	\$1,375,581	\$1,331,207	\$1,375,581	\$2,629,887	\$2,717,550	\$2,717,550	\$2,629,887	\$2,717,550	\$2,629,887	\$2,717,550
PENELEC	\$283,241	\$255,831	\$283,241	\$274,105	\$283,241	\$1,282,941	\$1,325,705	\$1,325,705	\$1,282,941	\$1,325,705	\$1,282,941	\$1,325,705
PEPCO	\$396,297	\$357,946	\$396,297	\$383,514	\$396,297	\$1,123,780	\$1,161,239	\$1,161,239	\$1,123,780	\$1,161,239	\$1,123,780	\$1,161,239
PPL	\$1,199,436	\$1,083,362	\$1,199,436	\$1,160,745	\$1,199,436	\$3,468,134	\$3,583,739	\$3,583,739	\$3,468,134	\$3,583,739	\$3,468,134	\$3,583,739
PSEG	\$922,290	\$833,036	\$922,290	\$892,538	\$922,290	\$2,193,793	\$2,266,920	\$2,266,920	\$2,193,793	\$2,266,920	\$2,193,793	\$2,266,920
RECO	\$10,219	\$9,230	\$10,219	\$9,890	\$10,219	\$23,637	\$24,425	\$24,425	\$23,637	\$24,425	\$23,637	\$24,425
Total	\$16,597,945	\$14,991,692	\$16,597,945	\$16,062,527	\$16,597,945	\$33,702,990	\$34,826,423	\$34,826,423	\$33,702,990	\$34,826,423	\$33,702,990	\$34,826,423

Total Capacity Credits: \$321,262,714



2009 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	%	
2009	1	7	4	15	10	199	84	42%	5,453	443	8%	8,436	1,212	14%	\$12,929
2009	2	7	3	14	8	173	61	35%	2,522	318	13%	4,150	643	15%	\$7,476
2009	3	7	3	15	9	200	67	34%	2,242	416	19%	2,910	461	16%	\$6,677
2009	4	3	1	9	4	39	15	38%	230	19	8%	472	86	18%	\$609
2009	5	6	3	17	10	175	46	26%	1,345	127	9%	1,372	180	13%	\$2,373
2009	6	1	0	1	0	1	0	0%	0	0	0%	1	0	0%	\$0
2009	7	2	1	5	1	17	1	6%	37	0	0%	31	1	3%	\$28
2009	8	1	1	7	3	72	3	4%	163	1	1%	378	9	2%	\$10
2009	9	1	1	4	1	6	1	17%	5	1	14%	17	6	35%	\$4
2009	10	1	1	3	3	11	7	64%	12	34	290%	47	24	51%	\$571
2009	11	2	2	7	2	80	4	5%	296	86	29%	299	19	6%	\$357
2009	12	2	2	7	6	96	31	32%	475	151	32%	753	184	24%	\$6,319

YTD Totals 1,069 320 30% 12,780 1,597 12% 18,866 2,825 15% \$37,354

YTD Average 3 2 9 5

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

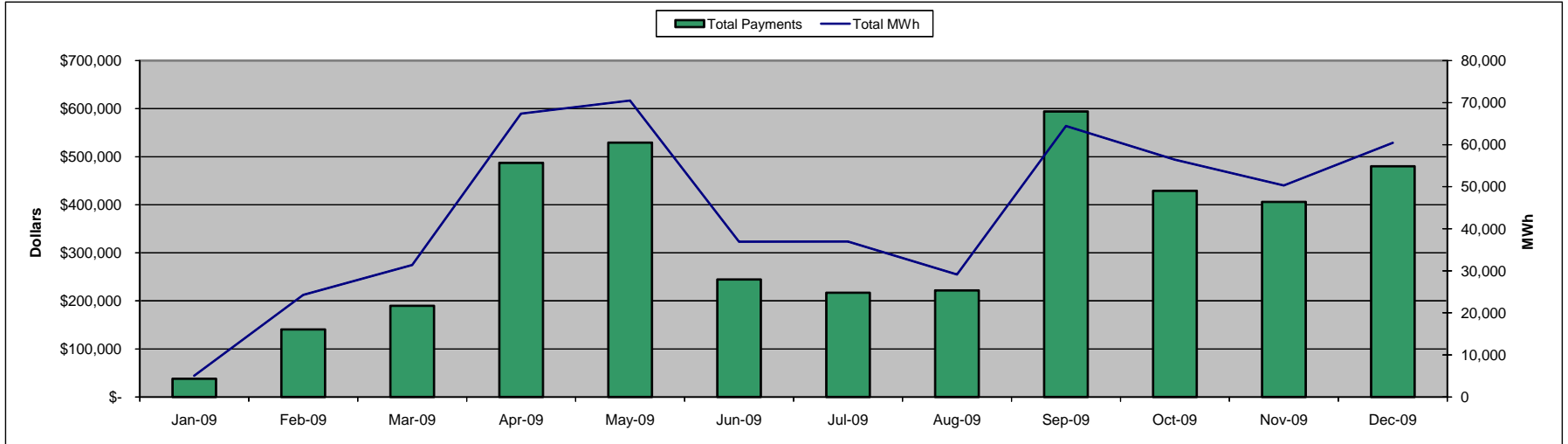
Settled = All settlement hours during the PJM dispatch window where settlement hours that correlate to self schedule notification are omitted

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.

2009 Demand Side Response Synchronized Reserve Participation



	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Total
Total MWh	5,070.10	24,298.42	31,377.62	67,403.12	70,499.70	36,917.35	36,988.85	29,140.73	64,462.99	56,433.64	50,291.79	60,454.35	533,338.65
Total Payments	\$38,051.11	\$140,430.03	\$189,809.05	\$486,998.87	\$529,382.61	\$244,388.56	\$217,036.13	\$221,845.83	\$594,099.92	\$428,986.35	\$405,768.71	\$480,114.20	\$3,976,911.37
\$ / MWh	\$7.51	\$5.78	\$6.05	\$7.23	\$7.51	\$6.62	\$5.87	\$7.61	\$9.22	\$7.60	\$8.07	\$7.94	\$7.46

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