Load Response Activity Report
June 2012

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PJM Demand Side Response
June 12, 2012

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Delivery Year 2012-2013 Active Participants in PJM Load Response Program: as of 6/8/2012 (page 1 of 2)

			Economic Program		Emergency Energy Only		Emergency DR		Emergency Total
State	Zone	EDC	Sites	MW	Sites	MW	Sites	MW	MW
DC	PEPCO	PEPCO	14	1.8			192	64.8	64.8
DE	DPL	DEMEC					24	8.6	8.6
DE	DPL	DOVDE					2	3.3	3.3
DE	DPL	DPL	9	56.0			149	86.2	86.2
DE	DPL	ODEC					5	2.3	2.3
IL	COMED	COMED	19	26.8			1166	775.3	775.3
IL	COMED	IMEAA1					2	36.8	36.8
IN	AEP	AEPSCT					61	275.9	275.9
IN	AEP	HEREC					1	19.2	19.2
IN	AEP	WVSDI					1	12.5	12.5
KY	DEOK	DEK					57	43.0	43.0
MD	APS	AETSAP	2	35.1			152	85.2	85.2
MD	APS	AETSHG					5	1.9	1.9
MD	BGE	BC	57	611.7			810	861.1	861.1
MD	DPL	DPL	2	1.6			223	82.2	82.2
MD	DPL	EASTON					5	2.9	2.9
MD	DPL	ODEC	1	0.5			29	9.3	9.3
MD	PEPCO	PEPCO	7	1.4			323	252.9	252.9
MD	PEPCO	SMECO					70	62.8	62.8
MI	AEP	AEPSCT					3	2.5	2.5
NC	DOM	DOMEDC	1	24.4					0.0
NJ	AECO	AE	1	0.6			227	90.9	90.9
NJ	AECO	VMEU	2	0.9			23	7.5	7.5
NJ	JCPL	AECI					1	0.2	0.2
NJ	JCPL	JCBGS	2	45.9			415	190.7	190.7
NJ	PSEG	PSEG	22	75.9			966	375.0	375.0
NJ	RECO	RECO					20	5.6	5.6
NY	PENELEC	PaElec					2	1.6	1.6
OH	AEP	AEPCCL					8	12.1	12.1
OH	AEP	AEPSCT	3	2.7			556	459.7	459.7
OH	AEP	AMPO					21	117.2	117.2
OH	AEP	BUCK					4	38.7	38.7
OH	ATSI	AMPO					34	300.9	300.9
OH	ATSI	CPP					19	77.4	77.4
OH	ATSI	OEEDC	2	48.2			550	545.6	545.6
OH	DAY	AMPO					13	41.7	41.7
OH	DAY	BUCK					1	3.4	3.4
OH	DAY	DAYEDC					132	61.5	61.5

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Delivery Year 2012-2013 Active Participants in PJM Load Response Program: as of 6/8/2012 (page 2 of 2)

			Economic Program		Emergency Energy Only		Emergency DR		Emergency Total
State	Zone	EDC	Sites	MW	Sites	MW	Sites	MW	MW
OH	DEOK	DEOHIO	1	35.0			216	252.4	252.4
PA	APS	AECI					5	2.9	2.9
PA	APS	AETSAP	50	29.7			545	313.0	313.0
PA	APS	CHBDTE					1	0.4	0.4
PA	ATSI	PAPWR	8	3.9			39	57.2	57.2
PA	DUQ	DLCO	27	43.8			315	116.8	116.8
PA	METED	AECI					1	1.6	1.6
PA	METED	MetEd	30	45.4			444	200.8	200.8
PA	PECO	PE	130	94.9			1,308	442.5	442.5
PA	PENELEC	AECI					17	16.9	16.9
PA	PENELEC	PaElec	23	33.7			544	278.5	278.5
PA	PENELEC	WELLSB					5	0.7	0.7
PA	PPL	AMPO					7	3.1	3.1
PA	PPL	CTZECL					8	3.2	3.2
PA	PPL	PPL	153	294.5			1,279	620.0	620.0
PA	PPL	UGI-UI					19	8.6	8.6
TN	AEP	AEPSCT	1	30.0			3	5.7	5.7
VA	AEP	AEPSCT	2	17.0			164	173.4	173.4
VA	AEP	AMPO					10	22.6	22.6
VA	APS	AETSAP					1	0.1	0.1
VA	APS	AMPO					3	1.1	1.1
VA	APS	ODEC					38	26.1	26.1
VA	DOM	CVEC					4	1.2	1.2
VA	DOM	DOMEDC	29	99.0			744	472.6	472.6
VA	DOM	DOMVME					16	96.9	96.9
VA	DOM	NVEC	4	39.7			10	15.1	15.1
VA	DOM	ODEC	1	67.0			28	79.1	79.1
VA	DPL	ODEC					10	1.6	1.6
WV	AEP	AEPSCT	3	48.8			285	196.4	196.4
WV	AEP	APWVP					8	2.1	2.1
WV	APS	AETSAP	1	15.6			260	117.5	117.5
Total			**607**	**1,831**	**0**	**0**	**12,609**	**8,548**	**8,548**

Note:
1) Data as of 06/08/2012.
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.

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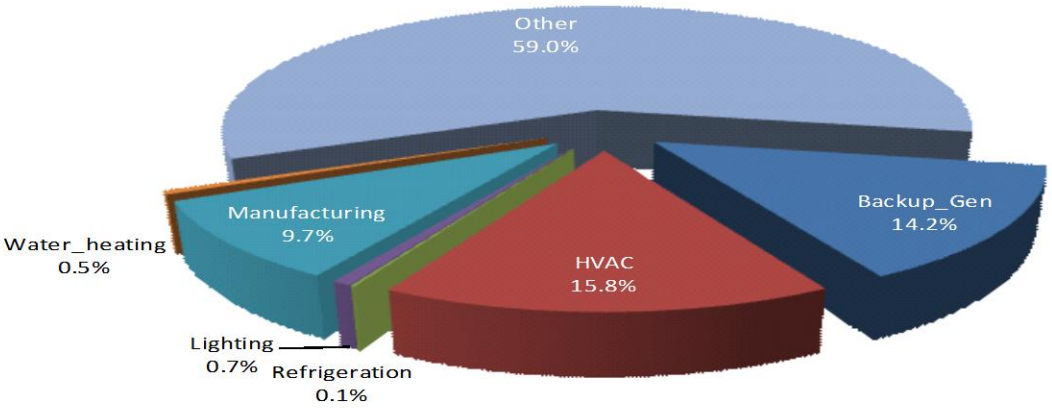
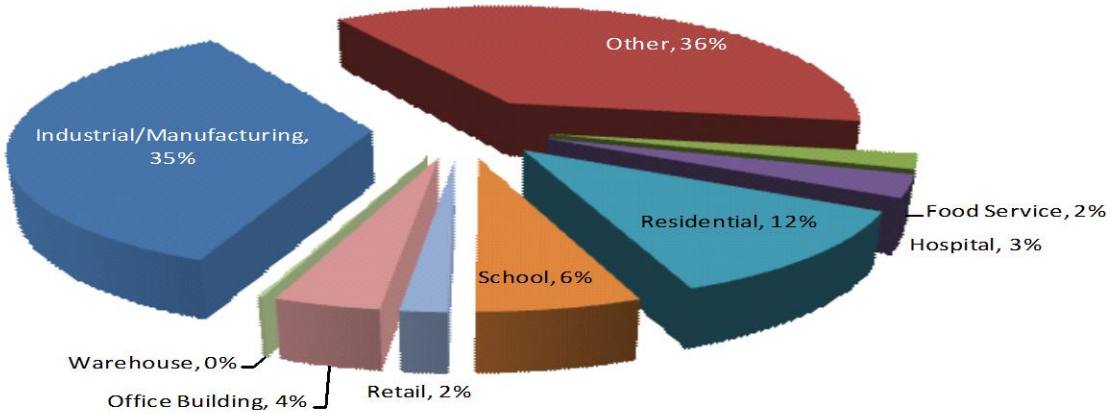
Sources and Business Segments for Emergency DR Activity 12/13

Sources



Business Segments



Note: data reported by CSPs having confirmed Load Management resources for DY 2012/2013.

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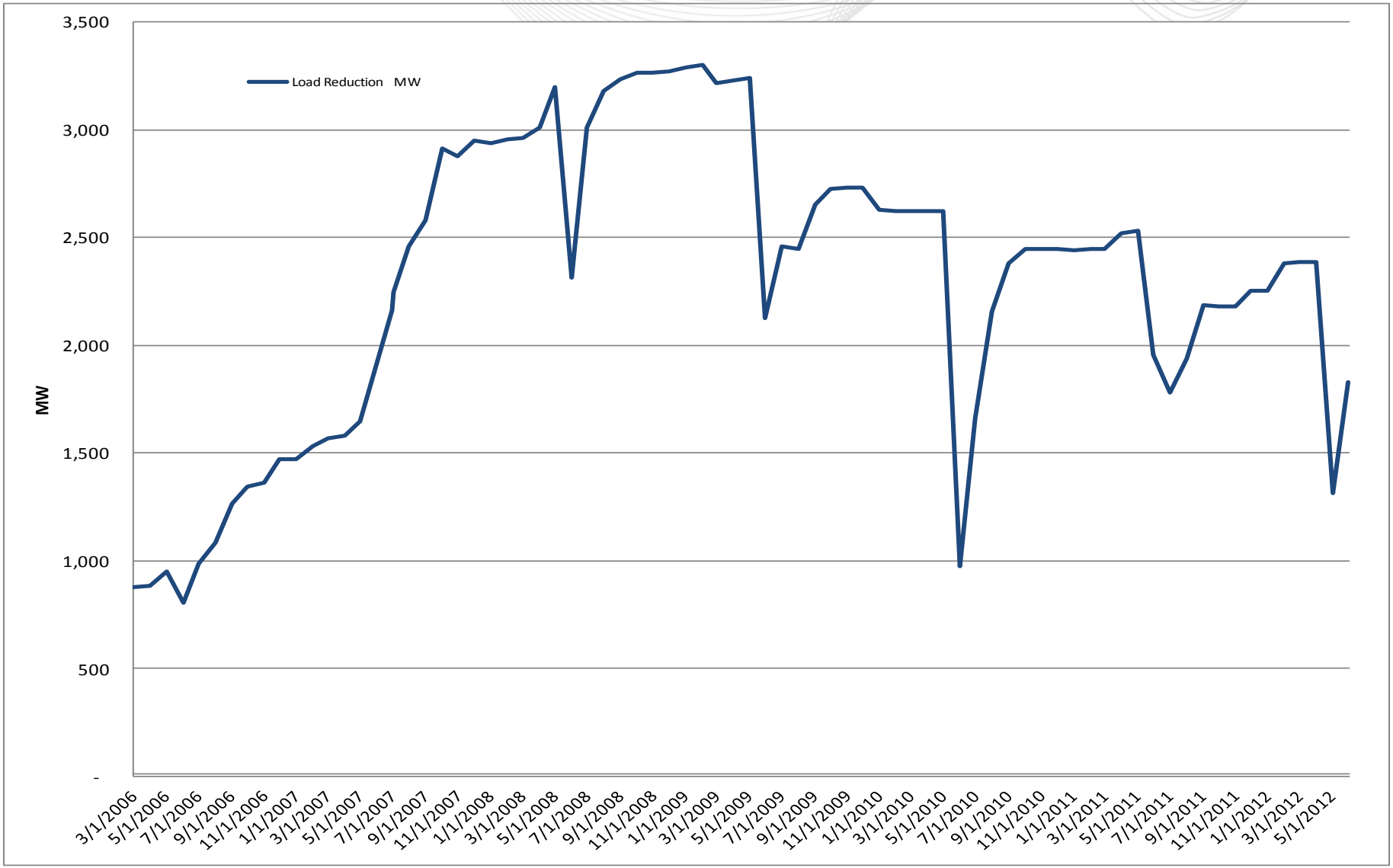
PJM Economic Load Response Capability (MW): 3/1/2006-6/08/2012



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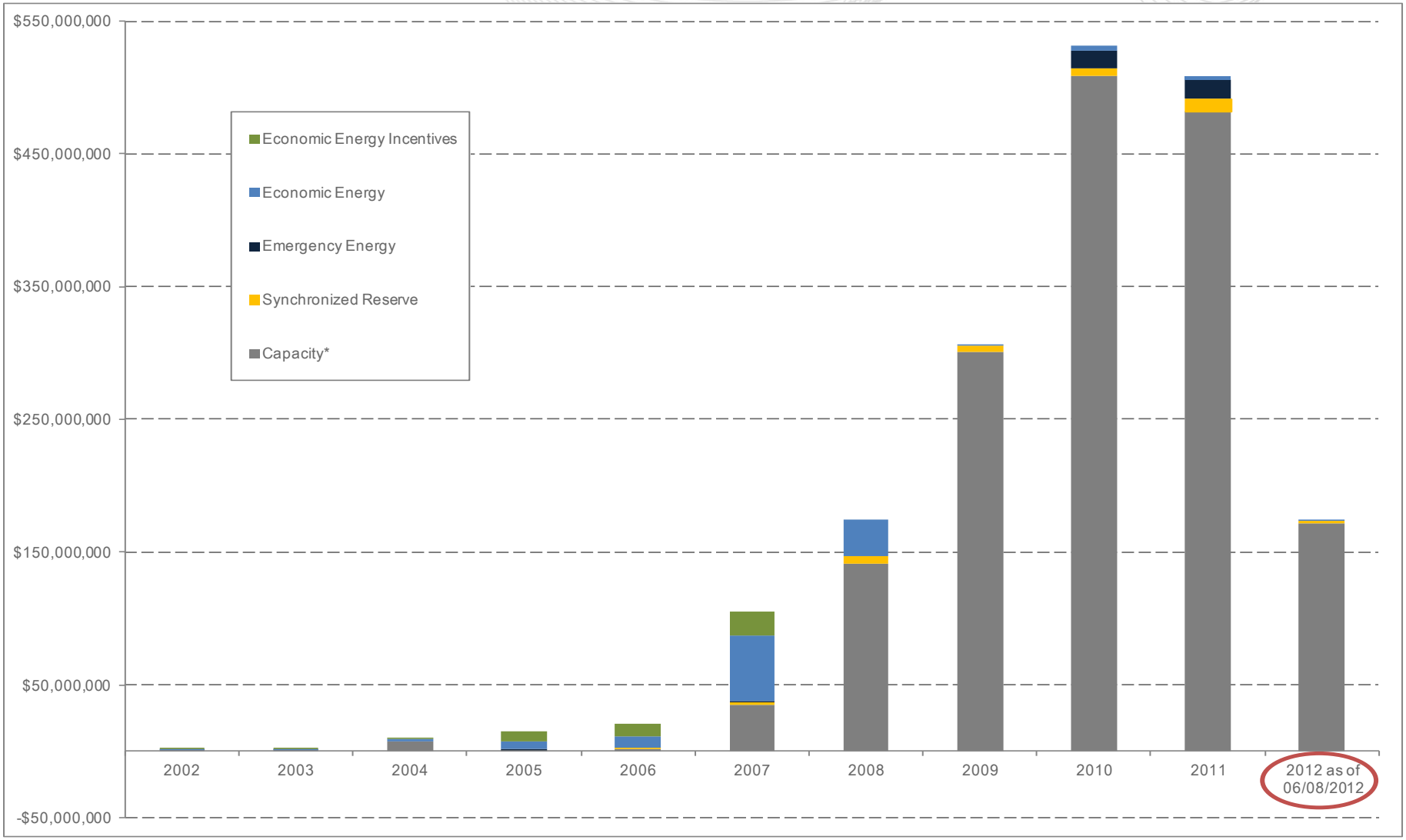
PJM Demand Side Response Estimated Revenue



*Capacity Net Revenue inclusive of Capacity Credits and Charges.

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2012 Economic Demand Side Response
Monthly Site Participation

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DC	PEPCO												
DE	DPL												
IL	COMED												
MD	APS												
	BGE												
	PEPCO												
NJ	JCPL												
	PSEG				4	3							
OH	AEP												
	DAY												
PA	APS												
	ATSI												
	DUQ												
	METED	1											
	PECO	2		1	1	1							
	PENELEC				2	2							
	PPL												
VA	DOM	3	4	2	2	2							
WV	AEP												
WV	APS					1							
Total		**6**	**4**	**3**	**9**	**9**							

Average Number of Unique Participating Sites per Month: 6

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2012 Economic Demand Side Response
Monthly Site Participation
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												
	PEPCO												
NJ	JCPL												
	PSEG				2	2							
OH	AEP												
	DAY												
PA	APS												
	ATSI												
	DUQ												
	METED	1											
	PECO				1	1							
	PENELEC				1	1							
	PPL												
VA	DOM				1	1							
WV	AEP					1							
WV	APS												
Total		**1**	**0**	**0**	**5**	**6**							

Average Number of Unique Participating Sites per Month: 2

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2012 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												
DE	DPL												
IL	COMED												
MD	APS												
	BGE												
	PEPCO												
NJ	JCPL												
	PSEG				2	1							
OH	AEP												
	DAY												
PA	APS												
	ATSI												
	DUQ												
	METED												
	PECO	2		1									
	PENELEC				1	1							
	PPL												
VA	DOM	3	4	2	1	1							
WV	AEP												
WV	APS												
Total		**5**	**4**	**3**	**4**	**3**							

Average Number of Unique Participating Sites per Month: 4

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2012 Economic Demand Side Response
Monthly MWh Reductions

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DC	PEPCO												
DE	DPL												
IL	COMED												
MD	APS												
	BGE												
	PEPCO												
NJ	JCPL												
	PSEG				1,477	377							
OH	AEP												
	DAY												
PA	APS												
	ATSI												
	DUQ												
	METED	158											
	PECO	15		1	17	21							
	PENELEC				1,343	526							
	PPL												
VA	DOM	251	392	366	2,505	4,200							
WV	AEP												
	APS					43							
Total		**424**	**392**	**367**	**5,341**	**5,168**							

Total MWh: **11,693**

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2012 Economic Demand Side Response
Monthly MWh Reductions
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												
	PEPCO												
NJ	JCPL												
	PSEG				1,462	325							
OH	AEP												
	DAY												
PA	APS												
	ATSI												
	DUQ												
	METED	158											
	PECO				17	21							
	PENELEC				1,343	462							
	PPL												
VA	DOM				2,016	3,553							
WV	AEP												
	APS					43							
Total		**158**	**0**	**0**	**4,839**	**4,405**							

Total Day Ahead MWh: 9,402

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2012 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												
DE	DPL												
IL	COMED												
MD	APS												
	BGE												
	PEPCO												
NJ	JCPL												
	PSEG				14	52							
OH	AEP												
	DAY												
PA	APS												
	ATSI												
	DUQ												
	METED												
	PECO	15		1									
	PENELEC				-1	64							
	PPL												
VA	DOM	251	392	366	489	647							
WV	AEP												
	APS												
Total		**266**	**392**	**367**	**503**	**762**							

Total Real Time MWh: 2,291

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2012 Economic Demand Side Response
Monthly Net CSP Credits

State	Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DC	PEPCO												
DE	DPL												
IL	COMED												
MD	APS												
	BGE												
	PEPCO												
NJ	JCPL												
	PSEG				$ 45,681	$ 7,662							
OH	AEP												
	DAY												
PA	APS												
	ATSI												
	DUQ												
	METED	$ 133											
	PECO	$ 395		$ 17									
	PENELEC				$ 7,870								
	PPL												
VA	DOM	$ 8,137	$ 14,994	$ 6,732	$ 106,270	$ 169,803							
WV	AEP												
	APS												
Total		**$ 8,664**	**$ 14,994**	**$ 6,749**	**$ 159,821**	**$ 177,466**							

Total CSP Credits: **$ 367,693**

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2012 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												
	PEPCO												
NJ	JCPL												
	PSEG				$ 45,196	$ 6,353							
OH	AEP												
	DAY												
PA	APS												
	ATSI												
	DUQ												
	METED	$ 133											
	PECO												
	PENELEC				$ 7,870								
	PPL												
VA	DOM				$ 91,386	$ 139,089							
WV	APS												
	APS												
Total		**$ 133**	**$ -**	**$ -**	**$ 144,453**	**$ 145,442**							

Day Ahead CSP Credits: $ 290,027

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2012 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												
DE	DPL												
IL	COMED												
MD	APS												
	BGE												
	PEPCO												
NJ	JCPL												
	PSEG				$ 485	$ 1,309							
OH	AEP												
	DAY												
PA	APS												
	ATSI												
	DUQ												
	METED												
	PECO	$ 395		$ 17									
	PENELEC												
	PPL												
VA	DOM	$ 8,137	$ 14,994	$ 6,732	$ 14,884	$ 30,715							
WV	AEP												
	APS												
Total		**$ 8,532**	**$ 14,994**	**$ 6,749**	**$ 15,369**	**$ 32,024**							

Real Time CSP Credits: $ 77,666

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2012 RPM (ILR & DR) Demand Side Response
Monthly Capacity Revenue

Zone	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AECO	$343,831	$321,649	$343,831	$332,740	$343,831							
AEP	$5,390,887	$5,043,088	$5,390,887	$5,216,988	$5,390,887							
APS	$3,410,799	$3,190,748	$3,410,799	$3,300,774	$3,410,799							
ATSI	$4,821	$4,510	$4,821	$4,665	$4,821							
BGE	$3,630,571	$3,396,340	$3,630,571	$3,513,455	$3,630,571							
COMED	$6,180,266	$5,781,539	$6,180,266	$5,980,903	$6,180,266							
DAY	$824,485	$771,293	$824,485	$797,889	$824,485							
DOM	$3,977,804	$3,721,172	$3,977,804	$3,849,488	$3,977,804							
DPL	$817,336	$764,605	$817,336	$790,970	$817,336							
DUQ	$2,418	$2,262	$2,418	$2,340	$2,418							
JCPL	$883,220	$826,238	$883,220	$854,729	$883,220							
METED	$909,516	$850,837	$909,516	$880,176	$909,516							
PECO	$2,375,286	$2,222,042	$2,375,286	$2,298,664	$2,375,286							
PENELEC	$1,380,240	$1,291,192	$1,380,240	$1,335,716	$1,380,240							
PEPCO	$1,174,938	$1,099,136	$1,174,938	$1,137,037	$1,174,938							
PPL	$2,739,610	$2,562,861	$2,739,610	$2,651,235	$2,739,610							
PSEG	$1,468,327	$1,373,596	$1,468,327	$1,420,962	$1,468,327							
RECO	$22,526	$21,072	$22,526	$21,799	$22,526							
Total	**$35,536,881**	**$33,244,179**	**$35,536,881**	**$34,390,530**	**$35,536,881**							

Total Capacity Credits: $174,245,354

Note:

1) Values represent RPM revenue, not revenue associated with FRR plans.

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2012 Economic Demand Side Response
Monthly UDS Activity

Time		CSPs		Zone		Sites			MWh			Site Hours			Payments
Year	Month	Notified	Settled	Notified	Settled	Notified	Settled	%	Notified	Settled	%	Notified	Settled	%	Settled
2012	1	2	1	2	1	5	2	40%	66	34	51%	16	7	44%	$6,680
2012	2	1	1	1	1	2	2	100%	63	31	49%	7	7	100%	$7,878
2012	3														
2012	4	3	2	6	3	7	4	57%	539	503	93%	82	27	33%	$15,369
2012	5	4	2	6	3	12	3	25%	2,065	762	37%	323	44	14%	$32,024
2012	6	1		2		2			117			22			
2012	7														
2012	8														
2012	9														
2012	10														
2012	11														
2012	12														
YTD Totals						28	11	39%	2851	1330	47%	450	85	19%	$61,950
YTD Average		2	2	3	2										

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.

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2012 Economic Demand Side Response
Monthly Self-Scheduled Activity

Time		CSPs		Zone		Sites			MWh			Site Hours			Payments
Year	Month	Notified	Settled	Notified	Settled	Notified	Settled	%	Notified	Settled	%	Notified	Settled	%	Actual
2012	1	3	2	4	2	8	3	38%	284	233	82%	299	31	10%	$1,852
2012	2	2	2	2	1	7	2	29%	313	362	115%	194	6	3%	$7,116
2012	3	3	2	4	2	12	3	25%	442	367	83%	329	19	6%	$6,749
2012	4														
2012	5														
2012	6														
2012	7														
2012	8														
2012	9														
2012	10														
2012	11														
2012	12														
YTD Totals						27	8	30%	1,040	962	92%	822	56	7%	$15,716
YTD Average		3	2	3	2										

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.

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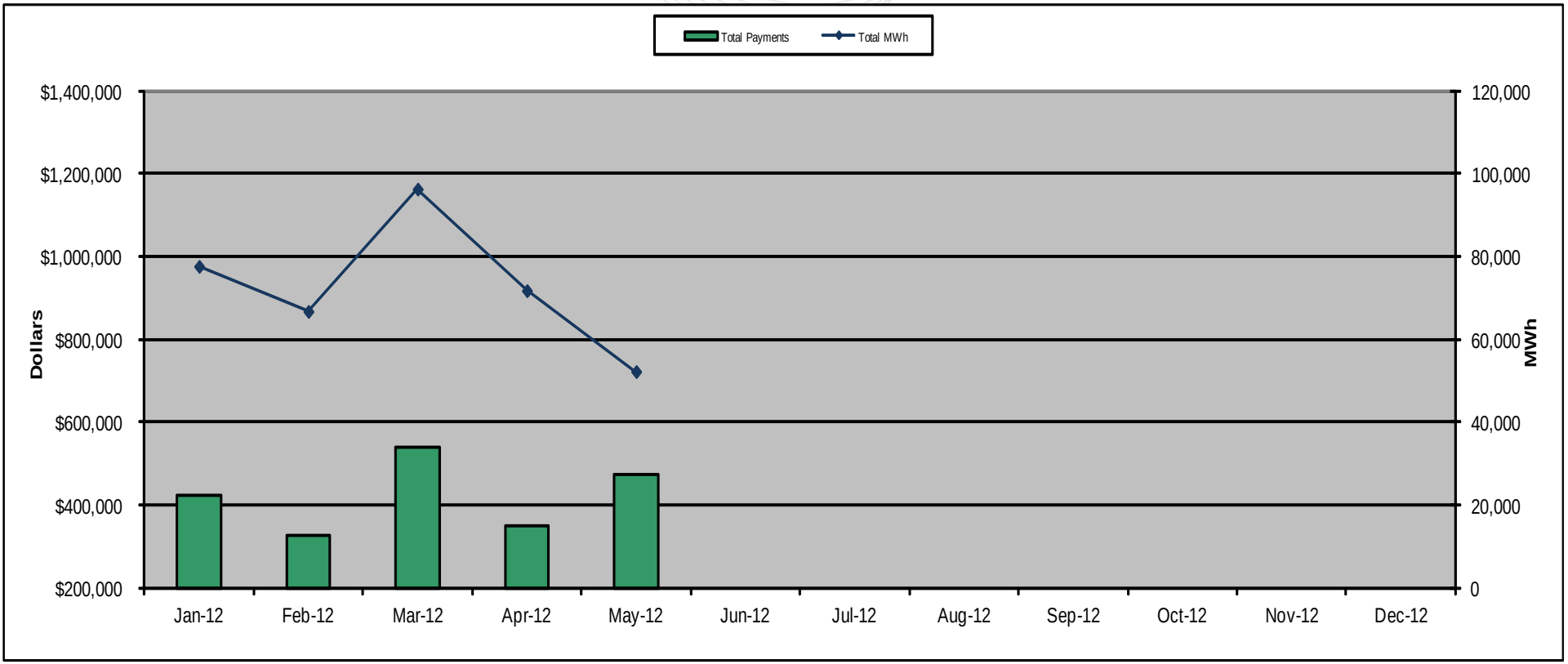
2012 Demand Side Response
Synchronized Reserve Participation



	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total
Total MWh	77,619	66,736	96,276	71,751	52,220								364,602
Total Payments	$423,818	$325,929	$538,356	$350,053	$472,576								$2,110,732
$ / MWh	$5.46	$4.88	$5.59	$4.88	$9.05								$5.79

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

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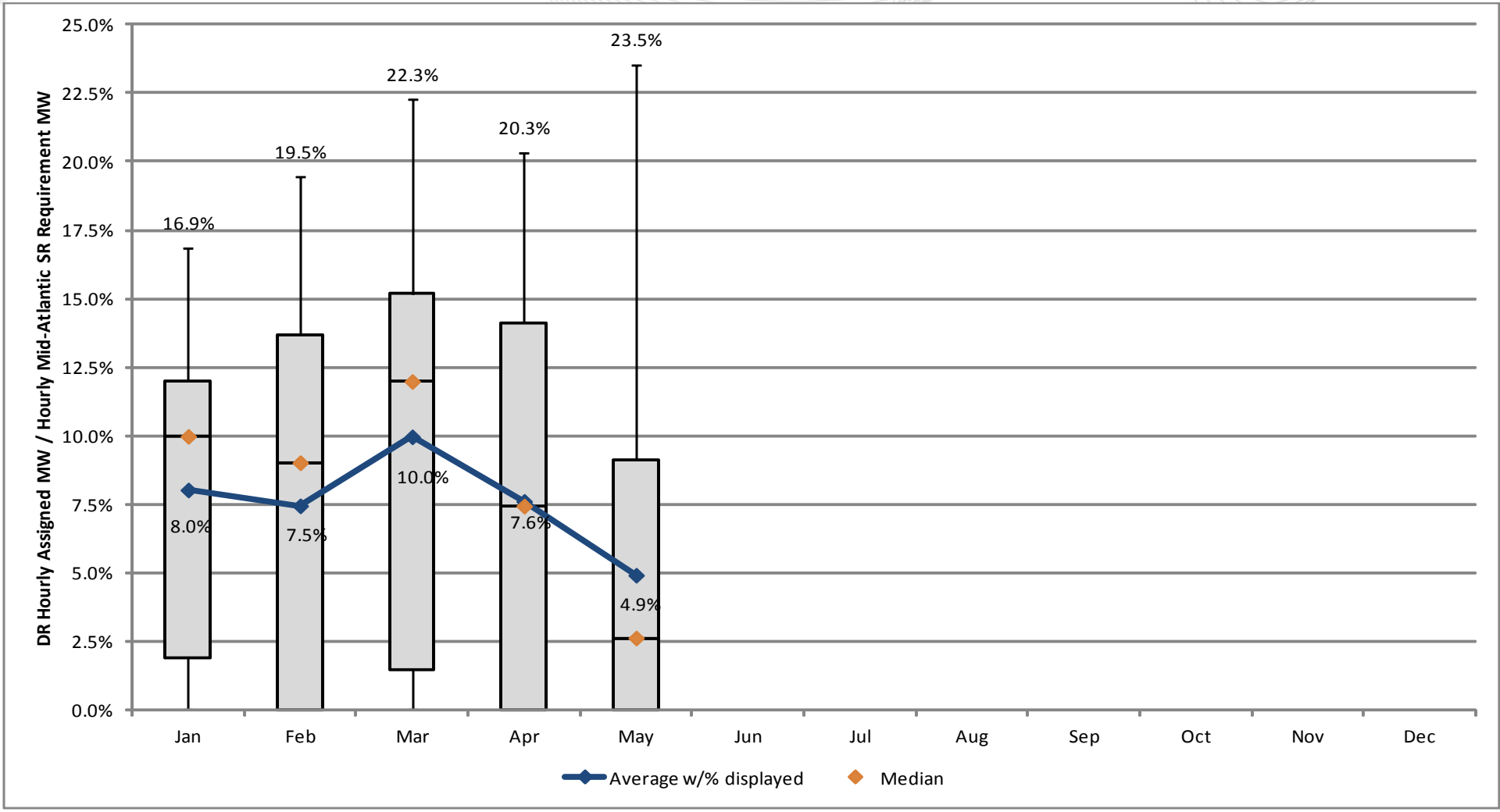
2012 DR Synchronous Reserve Penetration Distribution (Box-plot) for Mid-Atlantic Reserve Zone



Note:
1) Demand Response are Tier 2 resources.
2) Percents shown on upper whisker are maximum hourly DR percentage of Total Mid-Atlantic SR requirement.

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