



Potential Load Management compliance changes

DRS
3/20/14

- Load management compliance aggregated for time contiguous dispatches across operating day for all Zones (or sub-Zones) located in electrically-contiguous geographic areas with the same RPM auction Resource Clearing Prices for the Delivery Year.
- If registration is dispatched twice in operating day then compliance will be aggregated based on above rule
 - if compliance is aggregated across each dispatch it will be considered 1 load management event
 - If compliance is NOT aggregated across each dispatch then it will be considered 2 load management events.



Example – Zonal Aggregation summer

Annual & Extended Summer DR - 10 hours (10am to 10pm - summer, 6am to 9pm non summer)																
Limited - 6 hours 12 to 8pm																
LDR Compliance window (8 hours) - onpeak hours																
XDR/ADR Compliance window (12 hours summer, 14 hours non summer) - offpeak hours																
					Summer availability window											
scenario	Resource Type	product	Lead Time	Zone	HE11	HE12	HE13	HE14	HE15	HE16	HE17	HE18	HE19	HE20	HE21	HE22
1	Pre-Emergency	LDR/XDR/ADR	120	PECO												
1	Pre-Emergency	LDR/XDR/ADR	30 and 60	PECO												

Compliance aggregated for all registration dispatched



Aggregation of Performance

- Current LM event compliance rules allow the aggregation of the performance of dispatched registrations in a single Zone (or sub-Zone).
- Proposed rule would allow the aggregation of the performance of dispatched registrations across Zones (or sub-Zones) located in electrically-contiguous geographic areas with the same annual-product Resource Clearing Prices resulting in each RPM Auction for the Delivery Year.
- Proposed rule is in line with the level of performance aggregation permitted for generation resources for peak-hour period availability.



Aggregation Areas for 2014/2015 Delivery Year

Auction	Resource Clearing Price (\$/MW-day) for Annual Product							
	Rest of RTO	Rest of MAAC	Rest of EMAAC	Rest of SWMAAC	Rest of PS	PS North	DPL South	PEPCO
BRA	125.99	136.50	136.50	136.50	136.50	225.00	136.50	136.50
1 st IA	5.54	16.56	16.56	16.56	16.56	410.95	16.56	16.56
2 nd IA	25.00	56.94	56.94	56.94	56.94	310.00	56.94	56.94
3 rd IA	25.51	132.20	132.20	132.20	132.20	256.76	132.20	132.20

3 Aggregation Areas for 2014/2015 Delivery Year

Aggregation Area	Zones
Rest of RTO	AEP, APS, ATSI, COMED, DAY, DEOK, DLCO, DOM, EKPC
MAAC (excluding PS North)	AE, DPL, JCPL, PECO, Rest of PS, RECO, BGE, PEPCO, PENLC, METED, PPL
PS North	PS North sub-zone



- DR product obligations



Impact of Load Management Event accounting

- Limited DR (“LDR”)
 - Only 10 events allowed
 - Onpeak compliance penalty (1/# events)
- Extended Summer (“XDR”) and Annual (“ADR”)
 - Onpeak compliance penalty (1/# events)

Onpeak is June – Sept, weekdays, noon to 8pm
Offpeak is everything else



Three Product Types available beginning in the 2014/2015 DY

Requirement	Limited DR	Extended Summer DR	Annual DR
Availability	Any weekday, other than NERC holidays, during June – Sept. period of DY	Any day during June- October period and following May of DY	Any day during DY (unless on an approved maintenance outage during Oct. - April)
Maximum Number of Interruptions	10 interruptions	Unlimited	Unlimited
Hours of Day Required to Respond <i>(Hours in EPT)</i>	12:00 PM – 8:00 PM	10:00 AM – 10:00 PM	Jun – Oct. and following May: 10 AM – 10 PM Nov. – April: 6 AM- 9 PM
Maximum Duration of Interruption	6 Hours	10 Hours	10 Hours
Notification	Must be able to reduce load when requested by PJM All Call system within 2 hours of notification, without additional approvals required		
Registration in eLRS	Must register sites in Emergency Load Response Program in Load Response System (eLRS)		
Event Compliance	Must provide customer-specific compliance and verification information within 45 days after the end of month in which PJM-initiated LM event occurred		
Test Compliance	In absence of the PJM-initiated LM event, CSP must test load management resources and provide customer-specific compliance and verification information		