

DR Forecast for Use in Load Deliverability Studies

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- Table B-7 of the PJM Load Forecast Report shows the DR forecast currently used in PJM planning studies.
- The Table B-7 values represent the amount of DR cleared in the Base Residual Auction (BRA) and any Incremental Auctions for a particular Delivery Year.
- The amount of DR cleared in the most recent BRA is then held constant for all future years.
- Recent history has shown that a significant amount of DR cleared in a BRA is replaced by other resources by the start of the applicable Delivery Year. (See the table on the following slide.)
- PJM proposes a change in our current DR planning assumption to base the DR forecast on the average amount of DR that has committed in recent past years rather than on forward RPM auction results.

DR Net Replacement	
1-Jun-12	25.9%
1-Jun-13	30.7%
1-Jun-14	46.5%

Table 1: Net DR replacements to cleared DR: June 1, 2012 to June 1, 2014

Source: PJM Capacity Market Operations

1. For each zone compute the final amount of committed DR for each of the most recent three Delivery Years. Express the committed DR amount as a percentage of the zone's 50/50 summer peak forecast.
2. Compute the most recent three year average committed DR percentage for each zone.
3. The DR forecast for each zone shall be equal to the zone's 50/50 summer forecast peak load multiplied by the result from Step 2.

- Endorsement of proposed changes to M-19: Load Forecasting and Analysis.
- These changes were endorsed by the Planning Committee with one objection and zero abstentions
- New methodology would be implemented immediately and used in the 2020 RTEP Studies currently underway

APPENDIX

	DR as % of Summer NCP			Average	2015 Load Forecast 2020 Summer NCP	Proposal 2020 DR Forecast	Current 2020 DR Forecast
	2012	2013	2014				
AE	3.1%	3.8%	3.7%	3.5%	2,762	97	129
AEP	5.0%	5.5%	4.9%	5.1%	24,507	1252	1880
APS	5.6%	5.9%	6.4%	6.0%	9,255	551	893
ATSI	6.2%	5.2%	5.1%	5.5%	13,581	748	978
BGE	11.0%	8.7%	10.1%	9.9%	7,457	741	763
CL				5.5%	4,671	257	279
COMED	3.3%	3.6%	4.5%	3.8%	24,582	932	1,422
DAY	2.6%	2.0%	3.7%	2.8%	3,749	104	203
DOM	3.2%	3.8%	3.8%	3.6%	22,068	797	1097
DPL	4.4%	5.4%	5.0%	4.9%	4,388	216	359
DPLS	1.6%	4.1%	2.6%	2.8%	2,525	70	83
DOE	2.7%	2.4%	2.7%	2.6%	3,084	81	156
DUKE	1.7%	2.8%	4.4%	3.0%	5,777	172	216
EKPC		4.2%	6.5%	5.3%	2,082	111	135

	DR as % of Summer NCP				2015 Load Forecast 2020 Summer NCP	Proposal 2020 DR Forecast	Current 2020 DR Forecast
	2012	2013	2014	Average			
JCPL	2.7%	2.5%	2.2%	2.5%	6,596	164	153
METED	5.7%	5.8%	6.9%	6.2%	3,150	194	288
PECO	4.6%	4.7%	4.4%	4.6%	9,096	416	462
PEPCO	4.5%	5.5%	6.9%	5.6%	6,853	385	585
PL	7.4%	8.4%	7.3%	7.7%	7,670	589	660
PN	8.1%	9.1%	9.8%	9.0%	3,118	281	345
PS	3.1%	3.3%	4.1%	3.5%	10,649	371	375
PSN	2.0%	2.7%	4.4%	3.1%	5,209	159	146
EPJMMA	3.6%	3.8%	3.9%	3.8%	33,701	1,264	1,478
SPJMMA	7.9%	7.1%	8.6%	7.9%	14,259	1,126	1,348
WPJMMA	7.2%	8.0%	7.8%	7.7%	13,852	1,063	1,293
PJMMA	5.4%	5.5%	5.8%	5.6%	61,639	3,453	4,122
PJMWEST	4.5%	4.6%	5.0%	4.7%	84,805	3,951	5,883
PJMRT0	4.8%	5.0%	5.3%	5.0%	164,443	8,200	11,102