



Capacity Performance – CP Performance Assessment

Rebecca Stadelmeyer
Sr. Consultant, Markets
Operating Committee
February 9, 2016



CP Performance Assessment 2016/17 & 2017/18 DYs

- Only resources with CP MW commitment during a Performance Assessment Hour (PAH) are subject to the CP Performance Assessment
 - Generation resources having a CP Commitment located in the event area (includes external generation resources with a CP Commitment during RTO-wide events)
 - CP DR Resources dispatched by PJM
- Determine a resource's performance by determining the difference between the Expected Performance and Actual Performance for each PAH
 - Shortfalls are subject to Non-Performance Charge
 - Excesses are eligible for Bonus Performance Credit
- For each PAH, total Non-Performance Charges collected from assessed under-performing CP Resources are allocated to assessed over-performing CP Resources
 - Allocated based on resource's Bonus Performance MW to the total Bonus Performance MW



Expected Performance vs. Actual Performance 2016/17 & 2017/18 DYs

		Summer Performance Assessment Hour (June - Sept)		Non-Summer Performance Assessment Hour	
Resource Type	Product	Expected Performance	Actual Performance	Expected Performance	Actual Performance
Generation/Storage*	Capacity Performance	Committed UCAP * Balancing Ratio	Metered Energy Output + Reserve/Regulation Assignment	Committed UCAP * Balancing Ratio	Metered Energy Output + Reserve/Regulation Assignment
Generation/Storage	Annual	N/A	N/A	N/A	N/A
Demand Response	Capacity Performance	Committed ICAP	Load Reduction + Reserve/Regulation Assignment	Committed ICAP	Load Reduction (CBL Method) + Reserve/Regulation Assignment
Demand Response	Annual, Ext. Summer, Limited	N/A	N/A	N/A	N/A
Demand Response	Economic	N/A	N/A	N/A	N/A
Energy Only Resources	N/A	0	N/A	0	N/A
Energy Imports	N/A	0	N/A	0	N/A

* Includes External Generation Capacity Resources



Expected Performance vs. Actual Performance 2018/19 & 2019/2020 DYs

		Summer Performance Assessment Hour (June - Sept)		Non-Summer Performance Assessment Hour	
Resource Type	Product	Expected Performance	Actual Performance	Expected Performance	Actual Performance
Generation/Storage*	Capacity Performance	Committed UCAP * Balancing Ratio	Metered Energy Output + Reserve/Regulation Assignment	Committed UCAP * Balancing Ratio	Metered Energy Output + Reserve/Regulation Assignment
Generation/Storage	Base	Committed UCAP * Balancing Ratio	Metered Energy Output + Reserve/Regulation Assignment	Committed UCAP * Balancing Ratio; <i>0 for Performance Shortfall calculation</i>	Metered Energy Output + Reserve/Regulation Assignment
Demand Response	Capacity Performance	Committed ICAP	Load Reduction + Reserve/Regulation Assignment	Committed ICAP	Load Reduction (CBL Method) + Reserve/Regulation Assignment
Demand Response	Base	Committed ICAP	Load Reduction + Reserve/Regulation Assignment	0	Load Reduction (CBL Method) + Reserve/Regulation Assignment
Demand Response	Economic	0	Load Reduction (CBL Method) + Reserve/Regulation Assignment	0	Load Reduction (CBL Method) + Reserve/Regulation Assignment
Energy Only Resources	N/A	0	Metered Energy Output + Reserve/Regulation Assignment	0	Metered Energy Output + Reserve/Regulation Assignment
Energy Imports	N/A	0	Net Energy Import	0	Net Energy Import

* Includes External Generation Capacity Resources