

PJM 5/4 Special MRC CP Penalty Rate Packages

Examples below use 3/4 DY RTO LDA clearing price and Net CONE (where applicable).

	<u>PAI Charge Rate</u>	<u>Stop-Loss Limit (SLL)</u>	<u>PAI Trigger Details *</u>
Status Quo (SQ):	Modeled LDA Net CONE ICAP/30 hours (\$/MWh)	1.5x Net CONE ICAP (\$ MW-year basis)	<u>(see next slide)</u>
SQ Rate:	\$3,177	\$142,952	
<u>Packages:</u>			
<u>LS Power:</u>	<u>PAI Charge Rate</u>	<u>Stop-Loss Limit (SLL)*</u>	
Main Motion:	SQ PAI Rate: Modeled LDA Net CONE/30	2x BRA Clearing Price* Applies 3/4 DY & 4/5 DY	
Rate:	\$3,177/MWh	\$23,659 MW-year	
<u>AMP:</u>	<u>PAI Charge Rate</u>	<u>Stop-Loss Limit (SLL)</u>	
Alternate:	(BRA Price * 365)/30 Applies to 3/4 DY & 4/5 DY	1.5x BRA Clearing Price Applies 3/4 DY & 4/5 DY	
Rate:	\$394 /MWh	\$17,744 MW-year	
<u>IMM:</u>	<u>PAI Charge Rate</u>	<u>Stop-Loss Limit (SLL)</u>	
Alternate:	(BRA Price * 365)/30 Applies until CIFP-RA approved	2x BRA Clearing Price Applies until CIFP-RA approved	
Rate:	\$394/MWh	\$23,659 MW-year	

Note: PAI Rate & SLL applied to cleared commitment in IUCAP terms: SLL is in \$ MW-year: * denotes change from 5/1 MRC

PAI Trigger Details*

PAI Trigger – Full Details:

LS Power Main:

Per PJM/IMM PAI Trigger Language

AMP Alternate:

Per PJM/IMM PAI Trigger Language

Joint IMM/PJM
PAI Trigger
language:

PAI Trigger if both: a) and b) conditions met or c.) condition below is met:

a). PJM is short primary reserves for a RZ and/or a RS: i.) A primary reserve shortage is when the assigned MW are less than the requirement in the dispatch run of the RT SCED. ii.) The requirement includes 150% of the synchronized reserve requirement, defined to be the largest contingency plus any adjustments made to manage system conditions.

b). There is an emergency procedure from the list below in effect for the entire RZ and/or RS experiencing the reserve shortage. i. Voltage Reduction Warning and Reduction of Non-Critical Plant Load ii. Manual Load Dump Warning iii. Simultaneous call of a Maximum Emergency Generation Action and Emergency Load Management Reduction Action iv. Curtailment of Non-Essential Business Load and Voltage Reduction.

EA list excludes: Unit Startup Notification Alert, Maximum Generation Emergency/Load Management Alert, Primary Reserve Alert, Voltage Reduction Alert, Primary Reserve Warning, Pre-Emergency Load Management Reduction, Emergency Voluntary Energy Only Demand Response Reductions, Local Load Shed Directive.

Or: *c) if one of the following occur for a RZ and/or a RS: Deploy All Resources Action, Voltage Reduction Action, Manual Load Dump Action, Load Shed Directive. **

Note: RZ = reserve zone; RS = reserve subzone; * denotes change from 5/1 MRC.

Appendix – SQ PAI Triggers

SQ PAI Triggers:

See M18, section 8.4A:

- Pre-Emergency Load Management Reduction Action
- Emergency Load Management Reduction Action
- Primary Reserve Warning
- Maximum Generation Emergency Action
- Emergency Voluntary Energy Only Demand Response Reductions
- Voltage Reduction Warning and Reduction of Non-Critical Plant Load
- Curtailment of Non-Essential Business Load
- Deploy All Resources Action
- Manual Load Dump Warning
- Voltage Reduction Action
- Manual Load Dump Action
- Load Shed Directive