



Performance Assessment Interval Triggers Overview

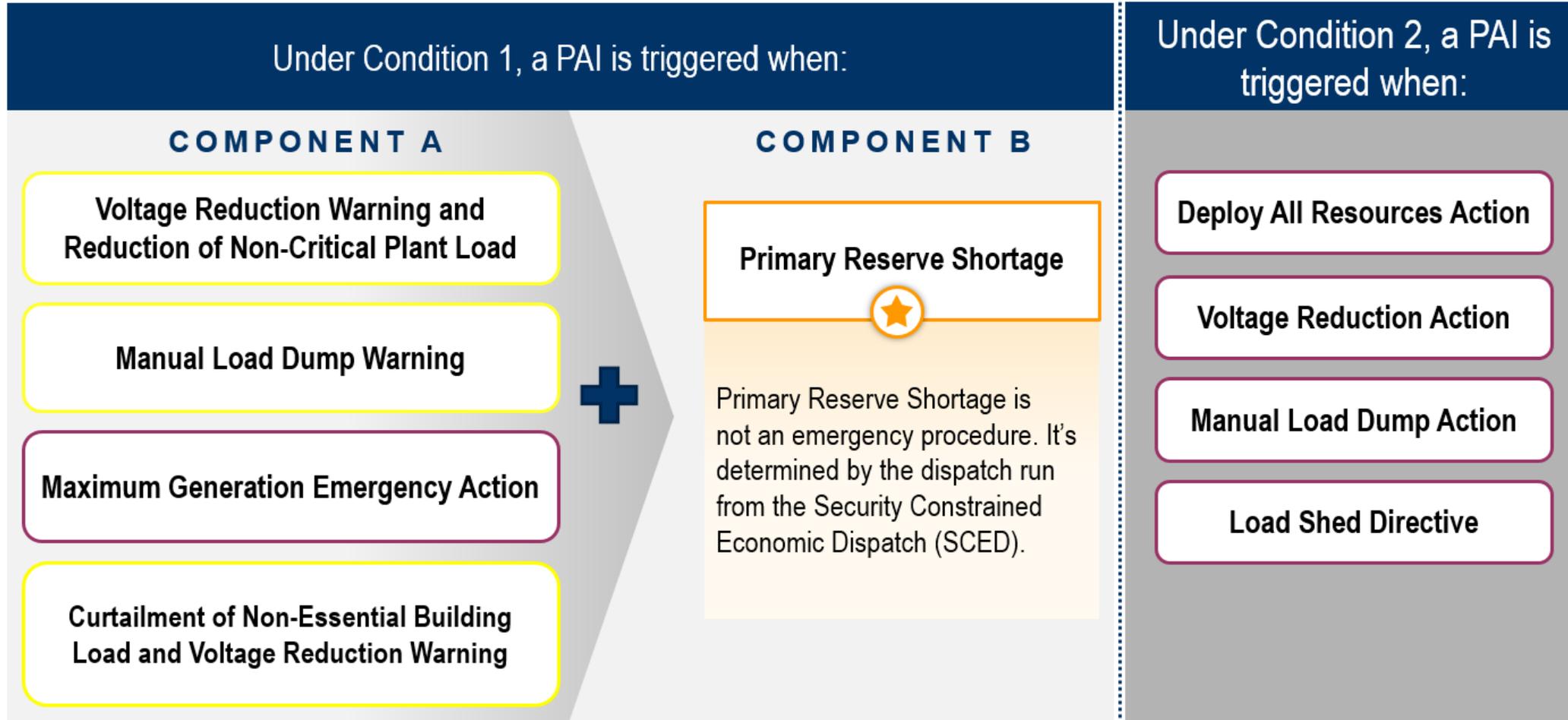
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Operating Committee
October 5, 2023

- On July 28, 2023, the Commission issued an order accepting the changes to the definition of Emergency Action, for purposes of determining Performance Assessment Intervals (PAI).
 - Docket No. ER23-1996
 - Filed on May 30, 2023
 - Effective date of July 30, 2023
 - Compliance filing August 28, 2023

Note: Changes to the PAI triggers do not impact how PJM Operations issues emergency procedures.

Emergency Conditions: All Conditions Must Be for Reserve Zone (RTO) or Sub-Zone*



*Current active sub-zone is MAD.

Performance Assessment Interval (PAI) Trigger Matrix

Condition 1 (Component A + Component B): Emergency Procedures and Primary Reserve Shortage (triggered from the latest approved Dispatch Run case on a 5-minute interval basis)

Emergency Procedures Issuance and Reserve Area		Primary Reserve Shortage Issuance (Reserve Area)			
		RTO	MAD Only	RTO and MAD	None
		RESOURCES ASSESSED:			
Voltage Reduction Warning and Reduction of Non-Critical Plant Load	RTO	Entire RTO	All MAD resources assessed	Entire RTO	No assessment
	MAD	No Assessment		All MAD	
Manual Load Dump Warning	RTO	Entire RTO		Entire RTO	
	MAD	No Assessment		All MAD	
Maximum Emergency Generation Action	RTO	Entire RTO		Entire RTO	
	MAD	No Assessment		All MAD	
Voltage Reduction Warning and Curtailment of Non-Essential Building Load	RTO	Entire RTO		Entire RTO	
	MAD	No Assessment		All MAD	

Condition 2: Emergency Procedures

Emergency Procedures Issuance and Reserve Area		Resources Assessed
MAD	Deploy All Resources Action	MAD resources assessed
	Voltage Reduction Action	
	Manual Load Dump Action	
	Load Shed Directive	
RTO	Deploy All Resources Action	Entire RTO resources assessed
	Voltage Reduction Action	
	Manual Load Dump Action	
	Load Shed Directive	

Notes:

- Determination of shortage conditions is subject to the Real-Time LMP Verification process following the operating day.
- The list of currently effective MAD resources can be found using the following link: <https://www.pjm.com/-/media/markets-ops/ancillary/reserve-price-formation/mid-atlantic-dominion-subzone-bus-and-resource-list-effective-20221207.ashx>. **NOTE:** All RPM capacity committed resources have an obligation to respond and are subject to assessment.
- The above list under Conditions 1 & 2 is inclusive of all potential Emergency Procedures that could trigger a PAI. Any other Emergency Procedures (including, but not exclusive to Primary Reserve Alert, Maximum Generation Emergency/Load Management Alert, etc.) **are not** PAI triggers.

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PAI Triggers Manual Language



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