

# PJM Emergency Procedures

Capacity Performance / Performance Assessment Interval (CP/PAI) Functionality

Effective 10/8/2018.

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#### Posting & Cancellation Timestamps

The logging times within the Emergency Procedure tool.

#### **Effective Start & End Timestamps**

The timespan during which the Emergency Procedure is in effect.

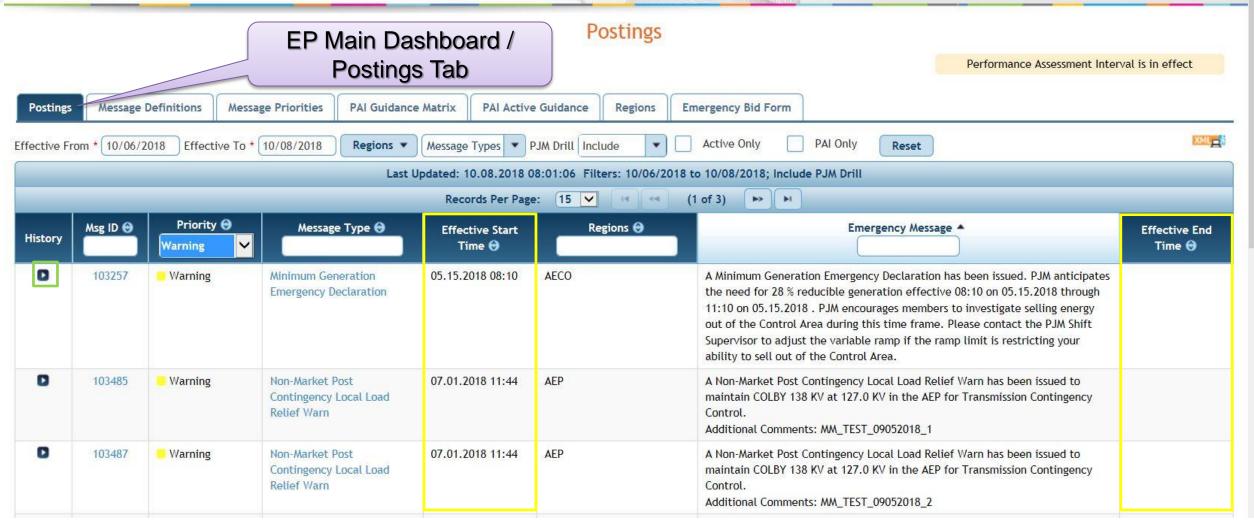
(i.e., The All-Call time and/or the Call or Issuance date/time.)

#### **Applicable Start & End Timestamps**

- The timespan for which the message is applicable.
- Typically the same as *Effective*, unless the message issuance is in advance of the date, such as an Alert or Advisory.



## PJM Emergency Procedures – CP/PAI



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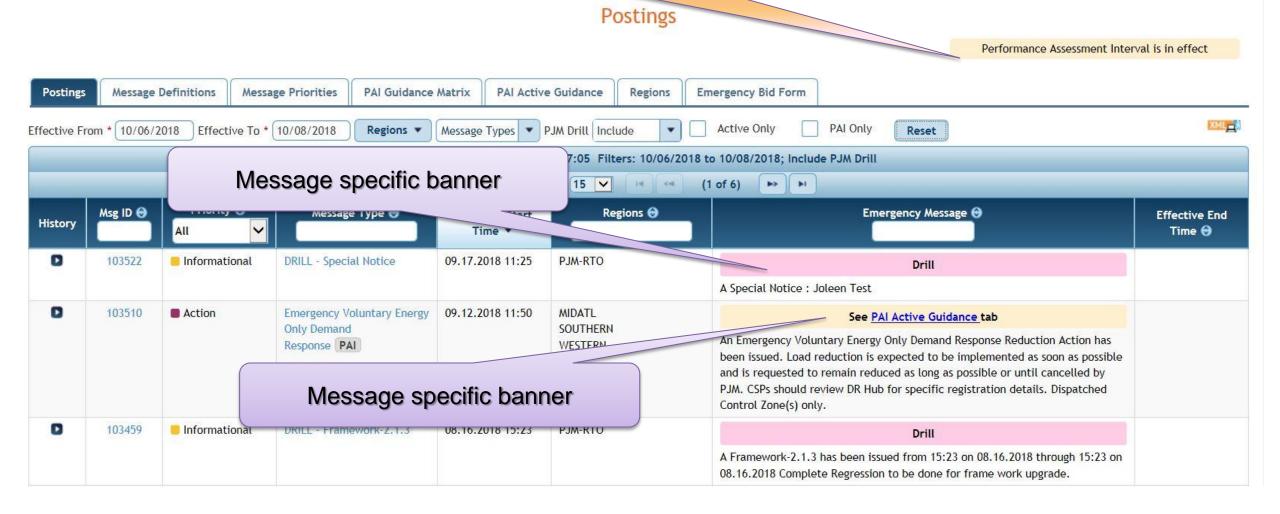
### PJM Emergency Procedures – CP/PAI





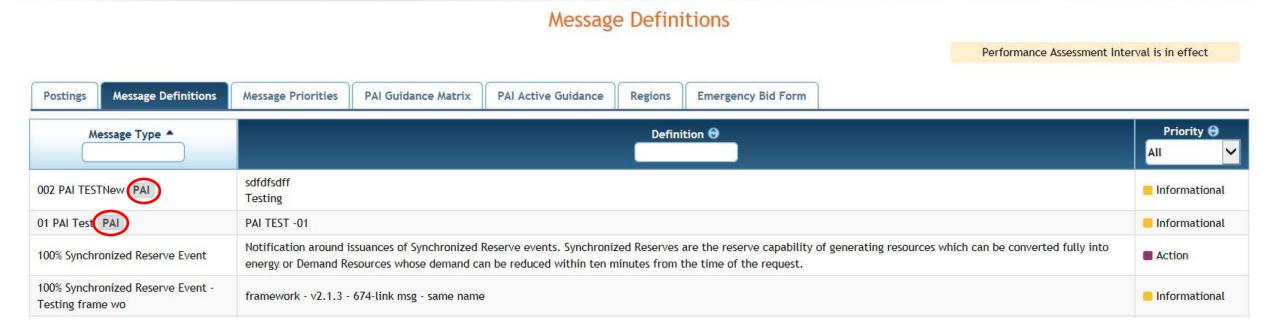
# Global banners displayed if PAI trigger (or PAI drill) posting is active.

## Global and Message Banners





 'PAI' tag displayed for Message Types identified as PAI triggers on Postings and Message Definition pages.



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- PAI Guidance Matrix: designed to serve as guidance for PJM Members during a Performance Assessment Interval (PAI).
  - Static default PAI Guidance by Resource Type (Online/Offline Generation; Pre-Emergency/Emergency Load Management) and by Emergency Procedure Message Type (PAI Triggers Only).
- PAI Active Guidance: displays guidance that is in effect at the current time and impacted areas.
  - 'No guidance is in effect at this time.' displayed if no active PAI.
- Drill: PAI Active Guidance: only displayed if a Drill PAI posting is issued.



#### **PAI Guidance Matrix**

#### PAI Guidance Matrix

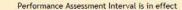
Performance Assessment Interval is in effect

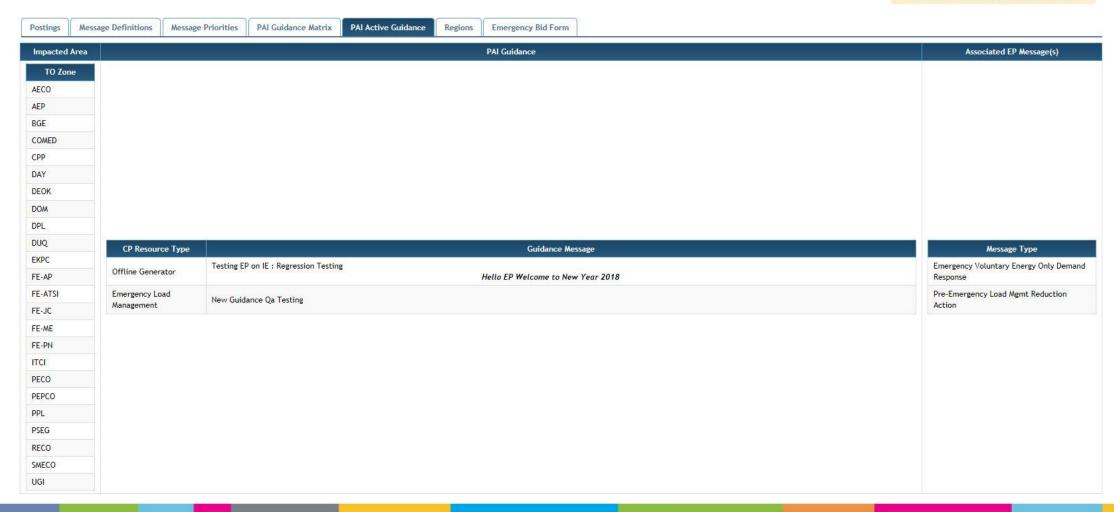
Postings Message Definitions	Message Priorities PAI G	uidance Matrix PAI Active Guidance Regions Emergency Bid Form		
Assigned Message Types	Resource Types			
Message Type				
Emergency Load Mgmt Reduction Action				
Emergency Voluntary Energy Only Demand Response	CP Resource Type	Resource Type Guidance Message		
Manual Load Dump Action	Offline Generator	Testing EP on IE: Regression Testing  Hello EP Welcome to New Year 2018		
Manual Load Dump Warning	Commence	Hello EP Welcome to New Year 2018		
Maximum Generation Emergency Action	Emergency Load Management New Guidance Qa Testing			
Pre-Emergency Load Mgmt Reduction Action				
Primary Reserve Warning				
	CP Resource Type	Guidance Message		
Message Type	Offline Generator	Load Management resources (Pre-Emergency and/or Emergency) should reduce load based on eLRS dispatch instructions.  Load Management resources that are not able to meet the PJM dispatch instructions may be assessed a Non-Performance Charge.		
Rani-Testing july18 - reg	Pre-Emergency Load	PJM will directly call generators that are available to help mitigate the emergency.  Generators that are not able to meet the PJM dispatch instructions may be assessed a Non-Performance Charge.		
Voltage Reduction Action	Management; Emergency Load Management			
	Emergency Load Management	No Guidance		
	CP Resource Type	Guidance Message		
	Offline Generator	Load Management resources (Pre-Emergency and/or Emergency) should reduce load based on eLRS dispatch instructions.  Load Management resources that are not able to meet the PJM dispatch instructions may be assessed a Non-Performance Charge.		
Message Type	Pre-Emergency Load	PJM will notify Load Management resource owners that are available to help mitigate the emergency.  Finance of the plant o		
Load Shed Directive	Management; Emergency Load Management			
	Emergency Load Management	No Guidance		



#### **PAI** Active Guidance

#### PAI Active Guidance







#### **Drill PAI Active Guidance**

#### Hidden if no active Drill PAI

Drill: PAI Active Guidance

Performance Assessment Interval is in effect

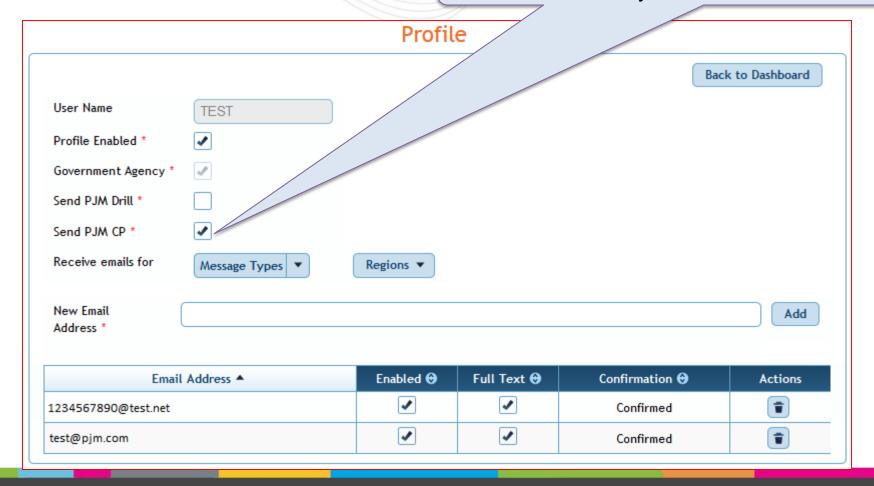
Drill: Performance Assessment Interval is in effect

Drill: PAI Active Guidance PAI Active Guidance **Postings** Message Definitions Message Priorities PAI Guidance Matrix Regions **Emergency Bid Form** This is a Drill Associated EP Message(s) Impacted Area **PAI Guidance CP Resource Guidance Message** Type Offline Load Management resources (Pre-Emergency and/or Emergency) should reduce load based on eLRS dispatch instructions. Generator Load Management resources that are not able to meet the PJM dispatch instructions may be assessed a Non-Performance Charge. TO Zone Pre-Emergency Message Type Load PJM will directly call generators that are available to help mitigate the emergency. BGE Voltage Reduction Action Management; Generators that are not able to meet the PJM dispatch instructions may be assessed a Non-Performance Charge. **Emergency Load** Management **Emergency Load** No Guidance --Management TO Zone **AECO** AEP COMED CPP DAY DEOK



#### Profile and Notification Changes

New Profile option to receive notification of PAI Triggers. Will be checked by default.





Send PJM Drill	Send PJM CP	User Receives
Checked	Unchecked	Non-PAI postings and drills
Checked	Checked	<ul><li>All postings:</li><li>PAI and Non-PAI postings</li><li>PAI and Non-PAI drills</li></ul>
Unchecked	Checked	PAI and Non-PAI postings (no drills)
Unchecked	Unchecked	Non-PAI postings



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