



# PJM Emergency Procedures

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

Effective 10/8/2018.

## 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.

**EP Main Dashboard /  
Postings Tab**

**Postings**

Performance Assessment Interval is in effect

- Postings
- Message Definitions
- Message Priorities
- PAI Guidance Matrix
- PAI Active Guidance
- Regions
- Emergency Bid Form

Effective From \* 10/06/2018 Effective To \* 10/08/2018 **Regions** Message Types PJM Drill Include  Active Only  PAI Only **Reset**

Last Updated: 10.08.2018 08:01:06 Filters: 10/06/2018 to 10/08/2018; Include PJM Drill

Records Per Page: 15 (1 of 3)

History	Msg ID	Priority	Message Type	Effective Start Time	Regions	Emergency Message	Effective End Time
	103257	Warning	Minimum Generation Emergency Declaration	05.15.2018 08:10	AECO	A Minimum Generation Emergency Declaration has been issued. PJM anticipates the need for 28 % reducible generation effective 08:10 on 05.15.2018 through 11:10 on 05.15.2018 . PJM encourages members to investigate selling energy out of the Control Area during this time frame. Please contact the PJM Shift Supervisor to adjust the variable ramp if the ramp limit is restricting your ability to sell out of the Control Area.	
	103485	Warning	Non-Market Post Contingency Local Load Relief Warn	07.01.2018 11:44	AEP	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain COLBY 138 KV at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: MM_TEST_09052018_1	
	103487	Warning	Non-Market Post Contingency Local Load Relief Warn	07.01.2018 11:44	AEP	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain COLBY 138 KV at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: MM_TEST_09052018_2	

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Effective From \* 10/06/2018 Effective To \* 10/08/2018 Regions Message Types PJM Drill Include Active Only PAI Only Reset

Last Updated: 10.08.2018 08:01:06 Filters: 10/06/2018 to 10/08/2018; Include PJM Drill

Records Per Page: 15 (1 of 1)

History	Msg ID	Priority	Message Type	Effective Start Time	Regions	Emergency Message	Effective End Time
<input type="checkbox"/>	102972	Action	100% Synchronized Reserve Event	04.04.2018 08:51	AECO_ENGLAND DOM_CHES DOM_YORKTOWN FE-AP_EAST FE-JC_REDBANK	A 100% Synchronized Reserve Event has been initiated Additional Comments: Testing DR posting with 5 messages	

Emergency Message	Regions	Posting Time	Effective Start Time	Effective End Time	Cancellation Timestamp	Updated
A 100% Synchronized Reserve Event has been initiated Additional Comments: Testing DR posting with 5 messages	AECO_ENGLAND DOM_CHES DOM_YORKTOWN FE-AP_EAST FE-JC_REDBANK	04.04.2018 08:52	04.04.2018 08:51			04.04.2018 08:52

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

# Global and Message Banners

## Postings

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Postings | Message Definitions | Message Priorities | PAI Guidance Matrix | PAI Active Guidance | Regions | Emergency Bid Form

Effective From \* 10/06/2018 Effective To \* 10/08/2018 Regions Message Types PJM Drill Include  Active Only  PAI Only [Reset](#) [XML](#)

7:05 Filters: 10/06/2018 to 10/08/2018; Include PJM Drill (1 of 6)

History	Msg ID	Priority	Message Type	Time	Regions	Emergency Message	Effective End Time
	103522	Informational	DRILL - Special Notice	09.17.2018 11:25	PJM-RTO	<p><b>Drill</b></p> <p>A Special Notice : Joleen Test</p>	
	103510	Action	Emergency Voluntary Energy Only Demand Response <b>PAI</b>	09.12.2018 11:50	MIDATL SOUTHERN WESTERN	<p><b>See PAI Active Guidance tab</b></p> <p>An Emergency Voluntary Energy Only Demand Response Reduction Action has been issued. Load reduction is expected to be implemented as soon as possible and is requested to remain reduced as long as possible or until cancelled by PJM. CSPs should review DR Hub for specific registration details. Dispatched Control Zone(s) only.</p>	
	103459	Informational	DRILL - Framework-2.1.3	08.16.2018 15:23	PJM-RTO	<p><b>Drill</b></p> <p>A Framework-2.1.3 has been issued from 15:23 on 08.16.2018 through 15:23 on 08.16.2018 Complete Regression to be done for frame work upgrade.</p>	

Message specific banner

Message specific banner

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

## Message Definitions

Performance Assessment Interval is in effect

Message Type ▲	Definition ⬇	Priority ⬇
002 PAI TESTNew <b>PAI</b>	sdfdsdff Testing	Informational
01 PAI Test <b>PAI</b>	PAI TEST -01	Informational
100% Synchronized Reserve Event	Notification around issuances of Synchronized Reserve events. Synchronized Reserves are the reserve capability of generating resources which can be converted fully into energy or Demand Resources whose demand can be reduced within ten minutes from the time of the request.	Action
100% Synchronized Reserve Event - Testing frame wo	framework - v2.1.3 - 674-link msg - same name	Informational

- 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

Performance Assessment Interval is in effect

Postings	Message Definitions	Message Priorities	PAI Guidance Matrix	PAI Active Guidance	Regions	Emergency Bid Form
<b>Assigned Message Types</b>		<b>Resource Types</b>				
<b>Message Type</b>		<b>CP Resource Type</b>				
Emergency Load Mgmt Reduction Action		<b>Guidance Message</b>				
Emergency Voluntary Energy Only Demand Response		Offline Generator	Testing EP on IE : Regression Testing			
Manual Load Dump Action						Hello EP Welcome to New Year 2018
Manual Load Dump Warning		Emergency Load Management	New Guidance Qa Testing			
Maximum Generation Emergency Action						
Pre-Emergency Load Mgmt Reduction Action						
Primary Reserve Warning						
<b>Message Type</b>		<b>CP Resource Type</b>				
Rani-Testing july18 - reg		<b>Guidance Message</b>				
Voltage Reduction Action		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.			
		Pre-Emergency Load Management; Emergency Load Management	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.			
		Emergency Load Management	No Guidance --			
<b>Message Type</b>		<b>CP Resource Type</b>				
Load Shed Directive		<b>Guidance Message</b>				
		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.			
		Pre-Emergency Load Management; Emergency Load Management	PJM will notify Load Management resource owners that are available to help mitigate the emergency. Load Management resource that are not able to meet the PJM dispatch instructions may be assessed a Non-Performance Charge.			
		Emergency Load Management	No Guidance --			

## PAI Active Guidance

Performance Assessment Interval is in effect

- Postings
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- PAI Guidance Matrix
- PAI Active Guidance**
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Impacted Area	PAI Guidance		Associated EP Message(s)
<b>TO Zone</b>			
AECO			
AEP			
BGE			
COMED			
CPP			
DAY			
DEOK			
DOM			
DPL			
DUQ			
EKPC			
FE-AP	CP Resource Type	Guidance Message	Message Type
FE-ATSI	Offline Generator	Testing EP on IE : Regression Testing <i>Hello EP Welcome to New Year 2018</i>	Emergency Voluntary Energy Only Demand Response
FE-JC	Emergency Load Management	New Guidance Qa Testing	Pre-Emergency Load Mgmt Reduction Action
FE-ME			
FE-PN			
ITCI			
PECO			
PEPCO			
PPL			
PSEG			
RECO			
SMECO			
UGI			

Hidden if no active Drill PAI

## Drill: PAI Active Guidance

Performance Assessment Interval is in effect

Drill: Performance Assessment Interval is in effect

- Postings
- Message Definitions
- Message Priorities
- PAI Guidance Matrix
- PAI Active Guidance
- Drill: PAI Active Guidance**
- Regions
- Emergency Bid Form

This is a Drill

Impacted Area	PAI Guidance		Associated EP Message(s)
	CP Resource Type	Guidance Message	
<b>TO Zone</b> BGE	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.	<b>Message Type</b> Voltage Reduction Action
	Pre-Emergency Load Management; Emergency Load Management	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.	
	Emergency Load Management	No Guidance --	
<b>TO Zone</b> AECO AEP COMED CPP DAY DEOK			

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

### Profile

[Back to Dashboard](#)

User Name:

Profile Enabled \*

Government Agency \*

Send PJM Drill \*

Send PJM CP \*

Receive emails for:

New Email Address \*

Email Address ▲	Enabled ⬆	Full Text ⬆	Confirmation ⬆	Actions
1234567890@test.net	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Confirmed	<input type="button" value="Delete"/>
test@pjm.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Confirmed	<input type="button" value="Delete"/>

Send PJM Drill	Send PJM CP	User Receives
Checked	Unchecked	Non-PAI postings and drills
Checked	Checked	All postings: <ul style="list-style-type: none"> <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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