



# PJM Emergency Procedures

*Capacity Performance / Performance Assessment Hour (CP/PAH) related changes*

System Operating Subcommittee  
May 25, 2015

## Timeline:

- ❑ May 26 – Sandbox release (notifications – email/text notifications out of Emergency Procedures)
- ❑ May 26 – Production release (XML, timestamp, flags, notifications – email/text notifications out of Emergency Procedures)

## EP Changes, Release Notes & Training:

- ❑ <http://www.pjm.com/markets-and-operations/etools/emerg-procedure.aspx>
- ❑ Informational Messages will be posted within the Emergency Procedures tool around the upcoming releases and available information.

## Overview of Changes related to CP/PAH in the next version of the Emergency Procedures tool:

- Dashboard changes
- PAH Guidance Matrix tab
- PAH Active Guidance tab
- Drill PAH Active Guidance tab
- Global and Message Banners
- Profile and Notification Changes

## EP Main Dashboard / Postings Tab

Emergency Procedures

Postings

From \* 01/11/2016 To \* 01/15/2016 Regions Message Types PJM Drill Include Active Only Reset

Last Updated: 03.23.2016 11:23:54 Filters: 01/11/2016 to 01/15/2016; Include PJM Drill

Records Per Page: 15 (1 of 1)

History	Msg ID	Priority	Message Type	Posting Timestamp	Regions	Emergency Message	Cancellation Timestamp
	100791	Alert	Cold Weather Alert	01.15.2016 12:50	WESTERN	As of 12:30 on 01.15.2016 , a Cold Weather Alert has been issued for 01.19.2016 from 0100 to 2400 hrs. As indicated in M-13, members are expected to perform the following actions: <ul style="list-style-type: none"> <li>• Generation (Gen) dispatchers review &amp; update their unit parameters in eMkt through the Cold Weather Alert period paying particular attention to accurate Start-up &amp; Notification, Min Run Time, Max Run Time, Eco Min/Max and Emergency Min/Max information.</li> <li>• Gen dispatchers with dual fuel units confirm the equipment is functional &amp; amount of alternate fuel available.</li> <li>• Outages to the alternate fuel capability will be submitted to PJM via eMkt.</li> <li>• Alternate fuel restrictions will also be communicated via eMkt.</li> <li>• Gen dispatchers review fuel supply/delivery schedules in anticipation of greater than normal operation of units.</li> <li>• Transmission/Gen dispatchers review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.</li> </ul>	01.20.2016 05:30
	100790	Alert	Cold Weather Alert	01.15.2016 12:43	WESTERN	As of 12:30 on 01.15.2016 , a Cold Weather Alert has been issued for 01.18.2016 from 0100 to 2400 hrs. As indicated in M-13, members are expected to perform the following actions: <ul style="list-style-type: none"> <li>• Generation (Gen) dispatchers review &amp; update their unit parameters in eMkt through the Cold Weather Alert period paying particular attention to accurate Start-up &amp; Notification, Min Run Time, Max Run Time, Eco Min/Max and Emergency Min/Max information.</li> <li>• Gen dispatchers with dual fuel units confirm the equipment is functional &amp; amount of alternate fuel available.</li> <li>• Outages to the alternate fuel capability will be submitted to PJM via eMkt.</li> <li>• Alternate fuel restrictions will also be communicated via eMkt.</li> <li>• Gen dispatchers review fuel supply/delivery schedules in anticipation of greater than normal operation of units.</li> <li>• Transmission/Gen dispatchers review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.</li> </ul>	01.19.2016 09:05
	100789	Warning	Non-Market Post Contingency Local Load Relief Warn	01.15.2016 06:21	AEP	As of 06:18 on 01.15.2016 , a Non-Market Post Contingency Local Load Relief Warning to maintain SWITCHBA 138 KV at 127 KV in the AEP area has been issued for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	01.15.2016 18:40
	100788	Warning	Post Contingency Local Load Relief Warning	01.13.2016 11:10	COMED	As of 11:06 on 01.13.2016 a Post Contingency Local Load Relief Warning to maintain 114 NORT-110 DEVO 11411 1 at 270 MVA in the COMED area has been issued for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	01.13.2016 19:05
	100787	Informational	TLR	01.12.2016 08:25	PJM-RTO	As Of 22:30 on 01.12.2016 hours, a TLR Level 0 has been issued for control of flowgate 310, Person-Halifax 230 kv line L/o Wake-Heritage 500 kv	01.12.2016 22:30
	100786	Warning	Post Contingency Local Load Relief Warning	01.11.2016 22:27	FE-ATSI	As of 22:24 on 01.11.2016 a Post Contingency Local Load Relief Warning to maintain SANBORN 138 KV at 127 KV in the ATSI area has been issued for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	01.12.2016 07:17
	100785	Warning	Post Contingency Local Load Relief Warning	01.11.2016 22:25	FE-ATSI	As of 22:19 on 01.11.2016 a Post Contingency Local Load Relief Warning to maintain 04MFLDQ1-PAWNEETP 2 at 115 MVA in the ATSI area has been issued for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	01.12.2016 07:17
	100784	Warning	Post Contingency Local Load Relief Warning	01.11.2016 22:10	FE-ATSI	As of 21:58 on 01.11.2016 a Post Contingency Local Load Relief Warning to maintain 04MFLDQ1-PAWNEETP 1 at 115 MVA in the ATSI area has been issued for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	01.12.2016 07:17
	100783	Informational	TLR	01.11.2016 20:35	PJM-RTO	As Of 23:38 on 01.11.2016 hours, TLR Level 0 has been issued for control of flowgate 310, Person-Halifax 230 kv line L/o Wake-Heritage 500 kv	01.11.2016 23:38
	100782	Warning	Post Contingency Local Load Relief Warning	01.11.2016 07:28	EKPC	As of 07:24 on 01.11.2016 a Post Contingency Local Load Relief Warning to maintain 114 NORT-110 DEVO 11411 1 at 270 MVA in the COMED area has been issued for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	01.11.2016 19:05

Records Per Page: 15 (1 of 1)

All times are in EPT

**Existing EP Tool Production Environment Screenshot**

EP Main Dashboard /  
Postings Tab

## Postings

Performance Assessment Hour is in effect

Drill: Performance Assessment Hour is in effect

[Postings](#)
[Message Definitions](#)
[Message Priorities](#)
[PAH Guidance Matrix](#)
[PAH Active Guidance](#)
[Drill: PAH Active Guidance](#)
[Regions](#)
[Emergency Bid Form](#)

Effective From \* 
 Effective To \* 


 PJM Drill 
 Active Only
  PAH Only

Last Updated: 05.19.2016 15:58:39 Filters: 05/17/2016 to 05/19/2016; Include PJM Drill

Records Per Page:  (1 of 3)

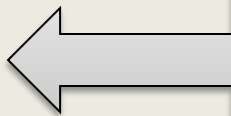
History	Msg ID	Priority	Message Type	Effective Start Time	Regions	Emergency Message	Effective End Time
<input type="checkbox"/>	100929	Warning	Manual Load Dump Warning PAH	05.19.2016 15:57	PJM-RTO	See <a href="#">PAH Active Guidance</a> tab A Manual Load Dump Warning has been issued as of 15:57 on 05.19.2016	
<input type="checkbox"/>	100928	Warning	DRILL - Primary Reserve Warning PAH	05.19.2016 15:56	PJM-RTO	Drill: See <a href="#">Drill PAH Active Guidance</a> tab A Primary Reserve Warning has been issued from 15:56 on 05.19.2016 through 15:56 on 05.19.2016 Actual primary reserves are lesser than the requirement. .	
<input type="checkbox"/>	100927	Warning	DRILL - Primary Reserve Warning PAH	05.19.2016 15:54	PJM-RTO	Drill: See <a href="#">Drill PAH Active Guidance</a> tab A Primary Reserve Warning has been issued from 15:54 on 05.19.2016 through 15:54 on 05.19.2016 Actual primary reserves are lesser than the requirement. .	

**New EP Tool Production Environment Screenshot**

## Posting & Cancellation Timestamps

- The logging times within the Emergency Procedure tool.

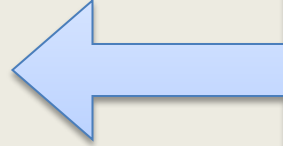
Available in History



## 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.)


Replaces Posting / Cancellation on the Dashboard



## 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.

Stays embedded within the message text for readability; & available via XML





## PAH Guidance Matrix

Performance Assessment Hour is in effect

Drill: Performance Assessment Hour is in effect

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

Assigned Message Types	Resource Types																			
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## PAH Active Guidance

Performance Assessment Hour is in effect

Drill: Performance Assessment Hour is in effect

Postings

Message Definitions

Message Priorities

PAH Guidance Matrix

PAH Active Guidance

Drill: PAH Active Guidance

Regions

Emergency Bid Form

Impacted Area	PAH Guidance		Associated EP Message(s)											
<b>TO Zone</b>														
AEP														
COMED														
CPP														
DAY														
DEOK														
DUQ														
EKPC														
FE-AP														
FE-ATSI														
FE-JC														
AECO														
BGE														
DPL														
DOM														
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Hidden if no active Drill PAH

## Drill: PAH Active Guidance

Performance Assessment Hour is in effect

Drill: Performance Assessment Hour is in effect

- Postings
- Message Definitions
- Message Priorities
- PAH Guidance Matrix
- PAH Active Guidance
- Drill: PAH Active Guidance**
- Regions
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This is a Drill

Impacted Area	PAH Guidance		Associated EP Message(s)											
<b>TO Zone</b>														
AEP														
COMED														
CPP														
DAY														
DEOK														
DUQ														
EKPC														
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Global banner

Postings

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Effective From \* 05/17/2016 Effective To \* Active Only  PAH Only  Reset

Message specific banner

05/17/2016 to 05/19/2016; Include PJM Drill (1 of 3)

History	Msg ID	Priority	Message Type	Effective Start Time	Regions	Emergency Message	Effective End Time
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Message specific banner

New Profile option to receive notification of PAH 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-PAH postings and drills
Checked	Checked	All postings: <ul style="list-style-type: none"> <li>- PAH and Non-PAH postings</li> <li>- PAH and Non-PAH drills</li> </ul>
Unchecked	Checked	PAH and Non-PAH postings (no drills)
Unchecked	Unchecked	Non-PAH postings



Any questions or concerns?

PJM EP Admin

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