



Summer Emergency Procedure Drill review

DRS

May 21, 2018

- Conducted Monday, May 14, 2018 from 0730 through 1600 EPT
- Simulates all emergency procedure actions (deployment and release) with indication if it triggers Performance Assessment Interval (PAI)
 - HLV Warning (Heavy Load Voltage Schedule Warning)
 - Load Management deployment
 - Deploy all Resources
 - Manual Load Dump
 - Etc.

Please review EP drill so you are aware what this may look like in the future.

The screenshot shows the PJM Emergency Procedures dashboard. At the top, there are navigation tabs for 'Postings', 'Message Definitions', 'Message Priorities', 'PAI Guidance Matrix', 'PAI Active Guidance', 'Regions', and 'Emergency Bid Form'. The 'Postings' tab is selected. Below the tabs, there are filter controls for 'Effective From' (05/14/2018), 'Effective To' (05/15/2018), 'Regions', 'Message Types', and 'PJM Drill Only'. A callout box with the text 'Filter for Drill Only' points to the 'PJM Drill Only' dropdown menu. The main content is a table of drill messages with columns for History, Msg ID, Priority, Message Type, Effective Start Time, Regions, Emergency Message, and Effective End Time. The table contains five rows of drill messages, each with a 'Drill' label in the Emergency Message column.

History	Msg ID	Priority	Message Type	Effective Start Time	Regions	Emergency Message	Effective End Time
	102073	Warning	DRILL - HLV Warning	05.14.2018 07:28	PJM-RTO	Drill A HLV Warning (Heavy Load Voltage Schedule Warning) has been issued. Additional Comments: This is for PJM's 2018 Summer Emergency Procedures Drill	05.14.2018 14:32
	102074	Action	DRILL - Maximum Generation Emergency Action PAI	05.14.2018 08:30	PJM-RTO	Drill A Maximum Generation Emergency Action has been issued. Additional Comments: For the 2018 Summer Emergency Procedures Drill	05.14.2018 14:32
	102075	Action	DRILL - HLV Action	05.14.2018 08:45	PJM-RTO	Drill A HLV Action (Heavy Load Voltage Schedule Action) has been issued. Additional Comments: This is for the 2018 PJM Summer Emergency Procedures Drill	05.14.2018 14:32
	102089	Informational	DRILL - Special Notice	05.14.2018 09:15	PJM-RTO	Drill A Special Notice : Summer Emergency Procedures Drill Phone Numbers Please use the above posted numbers to contact PJM Summer Emergency Procedures Drill personnel. Additional Comments: Scheduling (215) 258-6280 or (215) 258-6282 Power Dispatcher (215) 258-6284 or (215) 258-6286 Generation Dispatcher (215) 258-6276 or (215) 258-6278 Supervisor (215) 258-6292 or (215) 258-6294	05.14.2018 14:32
	102082	Action	DRILL - Emergency Load Mgmt Reduction Action PAI	05.14.2018 09:15	DOM FE-ATSI FE-ME	Drill An Emergency Load Mgmt Reduction Action and a NERC level EEA2 have been issued. Load reduction start times can be found by clicking on the hyperlink(s) in the Regions column. Load reductions should continue until released by	05.14.2018 14:40

Filter for Drill Only

- Become familiar with steps of the process and how it is represented on EP
- Acknowledge ALL Call request for Load Management Deployment
- Understand EP message posting for Load management event

Attempts	CSPs	Outcome
1	20	Verified
2	10	Verified
=>3	3	Verified
=>3	10	Incomplete (VM, Busy, etc.)

For Actual Load Management Event, DR Hub Web service is primary notification channel (PJM will communicate which registration needs to respond and when)

- PJM will reach out to all CSPs regarding ALL Call Drill performance over next 2 weeks
 - Great - Verified within 2 calls
 - Not verified until at least 3 calls or never verified
 - Review ALL Call list status
 - Remove CSP from list (no longer in the market)
 - Review ALL Call process – ensure there is no confusion
 - CSP internal process enhancements to verify within 2 calls.

Most of CSPs/orgs that did not acknowledge in timely fashion, appear to have exited the market.

