

Summer Emergency Procedures Drill

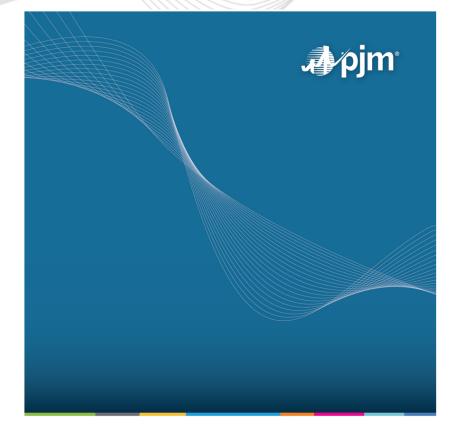
Frank Hartman/ Ryan Lifer System Operations Jeff Yeager State & Member Training





- May 2nd, 2024
 - Make-up date: May 9th, 2024
- Drill will be conducted from the control room
- Real time all-call will be utilized
- EP Drill Mode for postings

					Postings				
				(DRILL MO	DDE - Logou	t to Exit)			
Postings	Message De	finitions	Message Priorities	Postings Report Flo	owgates Regions	Reserve Area	Emergency Bid Form		
New Po	osting								
	ive From * 05/0			03/2023 Regions PJM Default Profile	Message Types Reset	V PJM Drill Include V	Active Only	Submit Chang	es XML
			Last Upo	lated: 04.09.2024 09:40:46	Filters: 05/01/202	3 to 05/03/2023; Includ	e PJM Drill		
				Records Per Page: 1	5 v « <	1 of 2) > >>			
History	Cancel / TLR Level	Msg ID €	Priority 🖨	Message Type 🗸	Effective Start Time 🖨	Regions 🖨	Emergency Message	Effective End Time 🖨	Actions
Ø		103900	Uarning	DRILL - Voltage Reduction Warning and Reduction of NCPL	05.02.2023 10:45	PJM-RTO	Drill A Voltage Reduction Warning and Reduction of NCPL has been issued. Actual Synchronized (or Spinning) Reserves are	05.02.2023 14:30	



2024 Summer Emergency Procedures Drill PJM Interconnection Effective Date: May 2, 2024



Recommendations

- PJM assigns at least 2 dispatchers, 1 SS, 1 RE to perform drill
- Real time all-call is utilized for the following reasons:
 - Testing all-call, scripts, Emergency Procedures from the control room
 - Reviewing situational awareness tools in control room
 - Information that inputs into triggers for Eps
 - Part of summer readiness training



Summer EP Drill

Submit this form for CEH credit (2 hours)



PJM 2024 Summer Emergency Procedures Drill

5. ATTACHMENT A

Debrief and Log Sheet

In order to better evaluate the effectiveness of the Emergency Procedures Drill and help identifypotential training needs, please log any challenges you encountered during the drill.

EP Drill Debrief & Participation Form *Submit this form for CEH credi

EP Drill Evaluation Form

Please email the completed debrief & participation form to the Drill Coordinator & Training Support at epdrill@pim.com & TrainingSupport@pim.com.





PJM Drill Participation Submission Form

Date of Drill:

Name of PJM Designated Training Liaison:

Type of Drill:

Name of Member Company:

Pre-Drill Activity Description

Pre-Drill activities consist of a refresher training session available from the PJM LMS that covers pertinent sections of the PJM Manuals along with a follow up quiz. PJM will assign the refresh training to all learners' LMS accounts. A quiz will become available in the LMS upon completion of the refresh training (passing score is 75%). Those participating in the actual drill should participate in the Pre-Drill Activities. Additionally, others who will not be participating on the day of the actual drill may also participate in and receive credit for the Pre-Drill refresh training.

Drill and Post-Drill Debrief Session Description

Both the Emergency Procedures Drill and the System Restoration Drill consist of two components; the actual drill and then a Post-Drill Debrief Session, which serves as the assessment portion of the training. Only learners that participate in both of these components may receive CEH credit.

Training Liaisons will, using direct observation and input from Drill Coordinators, verify that learners participating in the drill correctly simulated performance of the drill tasks assigned to them. Training Liaisons must sign-off on each learner listed in the drill participant list in order for him/her to receive CEH credit for the drill.

The debrief should include discussions on: what worked well, a critique of drill communications, a review of the completed reports, any lessons learned or areas of confusion, and any deficiencies found in internal procedures.

For the Emergency Procedures Drill, issues that were raised during the drill or debrief should be documented on the **Debrief** and **issues Log** provided with the Drill Scenario documentation and returned to PIM at the end of the drill. This information will be used in the End of Drill Debrief Conference Call led by PIM.

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For the System Restoration Drill, the following questions taken from PJM's CRM training may serve as a guide for the discussions:

- For each situation assessment:
- What was your initial assessment of the situation?
- What specific cues did you use in your assessment?
- What cues or factors were missed? Why?
- What made the assessment difficult?
- For each course of action:
- What was your intent in choosing that course of action?
 How did your intention change over time? Why?
 - Why did you not choose them?

scenario?

· What assumptions did you have to make? Why?

How did you expect the situation to develop?

What other options did you consider?

• What impact did time have on your assessment?

· What would have made this a more challenging

What was your greatest uncertainty?

Summary at the end:

What are some important lessons learned?
How might a novice (or expert) misdiagnose this event?

Drill and Post-Drill Debrief Session Documentation

Please provide a brief description of how the Post-Drill Activities were handled:

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Thinking Summer

Discussing a few variables in meeting summer demand:

- Summer loads are higher in most zones and overall RTO
- Generally, less forced outages
 - Wind is typically at lower outputs during hot days
 - Solar does help meet peak
 - Less gas restrictions
 - Water limits (and other Unit Limitations)
 - Temperature
 - Make up water
 - Run of river hydro





Presenter/SME: Frank Hartman, <u>Frank.Hartman@pjm.com</u> Ryan Lifer, <u>Ryan.Lifer@pjm.com</u>

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Member Hotline (610) 666 – 8980 (866) 400 – 8980 custsvc@pjm.com