



System Operations Subcommittee Update

Kevin Hatch
Sr, Manager, Dispatch
Operating Committee
August 8, 2024

- PJM SOS Summary
 - 8 Shared Reserve Events
 - 20 PCLLRW Events
 - 1 Non Market PCLLRW Event
 - 8 Hot Weather Alert Events
 - 3 Synchronized Reserve Events
 - 1 Maintenance Outage Recall

- Update on standards & compliance
- Reviewed latest DTS meeting
- Reviewed upcoming eDART release
- Security briefing update

- Security Briefing
- Reliability Compliance update

- Reviewed IROL load shed drill results
- Reviewed member specific operational events
- Discussed upcoming August Voltage Reduction test
- Reviewed transmission outage metrics
- Discussed the scope for the Winter OATF study scope
- Reviewed M3B Rev 66.1



Voltage Reduction Test

Emanuel Bernabeu Ph.D., Sr. Director Applied Innovation & Analytics
Kevin Hatch, Sr. Manager Dispatch

July 31st , 2024

- Ten years since last voltage reduction
 - Last voltage reduction was in January of 2014
 - Winter Storm Elliott we had a voltage reduction warning issued and action would have been issued if another major unit tripped.
 - WSE recommendation to test and validate voltage reduction
- Goal is to validate anticipated response of critical emergency procedure and update manual as appropriate
 - Change in load characteristics
 - Updated procedures
 - Good training opportunity
 - Go/no go for test

- **Voltage Reduction Alert:** It is implemented when the estimated operating reserve capacity is less than the forecasted synchronized reserve requirement.
- **Voltage Reduction Warning & Reduction of Non-Critical Plant Load:** It is implemented when the available synchronized reserve capacity is less than the synchronized reserve requirement
- **Voltage Reduction Action:** It is implemented when load relief is still needed to maintain tie schedules.

Parameters

Seasons

Summer Voltage Reduction Test

Load Level

Above Seasonal Upper Quartile

Duration

30 minutes

Time

14:00 – 14:30 Eastern Time

Zones

Mid-Atlantic August 14th
Western Region & South – August 15th

Voltage Reduction Step 1

5% (ANSI-A Limit; full equipment performance)

Alternate Date

August 28th & 29th



Communication Plan

Friday, July 26, 2024	Email to Transmission Owners confirming the Voltage Reduction Action test
	Email to Transmission Owner communications personnel on upcoming Voltage Reduction Action test
	Email to state contacts on upcoming Voltage Reduction Action test
July 29, 2024	Stakeholder email to inform Members and others of test
July 31, 2024	System Operations Subcommittee briefing
Aug. 1, 2024	MS Teams Briefing for TO communications personnel
Aug. 8, 2024	Discuss test at PJM Operating Committee Meeting
Aug. 13, 2024	Send reminder email to TO communications staff about test
	SOS-T call will be held to review and discuss Voltage Reduction test
Aug. 14, 2024	Voltage Reduction test takes place for Mid-Atlantic
Aug. 15, 2024	Voltage Reduction test takes place for South and West
Aug. 28 & 29, 2024	<p>Secondary Voltage Reduction test dates if ONLY IF test cannot be performed on Aug. 14 and 15 due to system conditions.</p> <p>Aug. 28 – Mid-Atlantic Aug. 29 – South and West</p> <p>*if a delay is warranted, a communication to Transmission Owners, Transmission Owner communications contacts, Government Affairs contacts and PJM Members should go out at least one day prior to Aug. 14 announcing that the test will be delayed until Aug. 28/29.</p>
September 2024	Discuss Test Results and Lessons Learned

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SOS Update – May, 2024



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