

System Operations Subcommittee

PJM Operations Summary

April 2025 Operations

April Events:

2 Shared Reserve Events

2 Synchronized Reserve Events

11 PCLLRW Events

5 High System Voltage Events

1 Geomagnetic Disturbance Warning Event

CPS1: 136.21% CPS2: 81.16% BAAL: 99.93%

¹PJM directly measures the total number of BAAL excursions in minutes compared to the total number of minutes within a month with a target value for this performance goal at 99% on a daily and monthly basis.

NERC rules limit the recovery period to no more than 30 minutes for a single event.

Shared Reserve (2 Events)

Effective Start Time	Effective End Time	Message	Region
04.24.2025 23:26	04.24.2025 23:50	PJM provided 79 MW of NPCC Shared Reserves	NPCC
04.13.2025 10:52	04.13.2025 11:07	PJM provided 100 MW of NPCC Shared Reserves	NPCC

Synchronized Reserve (2 Events)

Effective Start Time	Effective End Time	Message	Region
04.24.2025 00:50	04.24.2025 00:57	100% Synchronized Reserve Event has been initiated for the MAD region.	DOM, MIDATL
04.05.2025 04:21	04.05.2025 04:29	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO

PCLLRW (11 Events)

Effective Start Time	Effective End Time	Message	Region
04.30.2025 16:09	04.30.2025 20:54	A Post Contingency Local Load Relief Warning has been issued to maintain GOOSECRE TX1 XFORMER at 975.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
04.30.2025 15:53	04.30.2025 20:30	A Post Contingency Local Load Relief Warning has been issued to maintain SKIMMER 115 KV BB_6622 at 105.8 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
04.30.2025 15:34	04.30.2025 21:13	A Post Contingency Local Load Relief Warning has been issued to maintain PLEASNTV-ASHBURN 274D at 1580.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM

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04.30.2025 14:31		A Post Contingency Local Load Relief Warning has been issued to maintain TYNER 161 KV ND_141 at 148.9 KV in the EKPC for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	EKPC
04.29.2025 16:21	04.30.2025 00:09	A Post Contingency Local Load Relief Warning has been issued to maintain SKIMMER 115 KV BB_6622 at 103.5 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
04.24.2025 16:12	04.24.2025 16:44	A Post Contingency Local Load Relief Warning has been issued to maintain HEBRN_EK 138 KV ND_150 at 127.7 KV in the EKPC for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	EKPC, DEOK
04.24.2025 11:04	04.24.2025 13:28	A Post Contingency Local Load Relief Warning has been issued to maintain OSOLO 138 KV BB_23156 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
04.23.2025 19:13	04.24.2025 17:05	A Post Contingency Local Load Relief Warning has been issued to maintain NDELPHOS-SDELPHOS NDE-SDE at 58.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
04.23.2025 16:42	04.23.2025 18:12	A Post Contingency Local Load Relief Warning has been issued to maintain BRISTERS TX1 XFORMER at 999.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Generation - slow response	DOM
04.22.2025 14:01	04.22.2025 22:14	A Post Contingency Local Load Relief Warning has been issued to maintain PLEASNTV-ASHBURN 274D at 1595.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
04.07.2025 16:40	04.09.2025 17:27	A Post Contingency Local Load Relief Warning has been issued to maintain WKINGSPO 138 KV BB_3519 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP

High System Voltage (5 Events)

Effective Start Time	Effective End Time	Message	Region
04.27.2025 00:30	04.27.2025 09:30	A High System Voltage Action has been issued; all companies shall take the following actions on the Bulk Electric System:	RTO

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04.26.2025 00:10	04.26.2025 08:30	1. All switchable capacitors are out of service. 2. All reactors are in service. 3. TOs are requested to review and adjust LTC settings as appropriate. All LTC (230 kV and above) and voltage schedule adjustments shall be coordinated with PJM Dispatch. 4. All SVCs are absorbing reactive power. 5. Generation Owners shall operate generators at the lower bandwidth of their voltage schedule when possible. 6. Generation Owners shall communicate with PJM and the TO restrictions to their generator's ability to absorb MVARs if that capability varies from the existing "D" curve.	RTO
04.20.2025 22:00	04.21.2025 06:30		RTO
04.19.2025 21:00	04.20.2025 11:00		RTO
04.18.2025 22:00	04.19.2025 10:41		RTO

Geomagnetic Disturbance Warning (1 Event)

Effective Start Time	Effective End Time	Message	Region
04.16.2025 09:36	04.16.2025 20:00	A Geomagnetic Disturbance Warning has been issued for 09:36 on 04.16.2025 through 20:00 on 04.16.2025 . A GMD warning of K7 or greater is in effect for this period.	RTO

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Cold Weather Advisory (0 Events)
Cold Weather Alert (0 Events)
Conservative Operation (0 Events)
Curtailment of Non-Essential Building Load (0 Events)
Deploy All Resources Action (0 Events)
Emergency Energy Request (0 Events)
Emergency Load Mgmt Reduction Action (0 Events)
Emergency Voluntary Energy Only Demand Response (0 Events)
Gas Pipeline Contingencies (0 Events)
Geomagnetic Disturbance Action (0 Events)
HLV Action (0 Events)
HLV Warning (0 Events)
Hot Weather Alert (0 Events)
IROL - Information Only (0 Events)
Load Shed Directive (0 Events)
Local Minimum Generation Event (0 Events)
Low Voltage Alert (0 Events)
Maintenance Outage Recall (0 Events)
Manual Load Dump Action (0 Events)
Manual Load Dump Warning (0 Events)
Maximum Generation Emergency Action (0 Events)
Maximum Generation Emergency/Load Management Alert (0 Events)
Minimum Generation Advisory (0 Events)
Minimum Generation Alert (0 Events)
Minimum Generation Emergency Declaration (0 Events)
Minimum Generation Event (0 Events)
Non-Market PCLLRW (0 Events)
Pre-Emergency Load Mgmt Reduction Action (0 Events)
Primary Reserve Alert (0 Events)
Primary Reserve Warning (0 Events)
Special Notice (0 Events)
TLR (0 Events)
Unit Startup Notification Alert (0 Events)
Voltage Reduction Action (0 Events)
Voltage Reduction Alert (0 Events)
Voltage Reduction Warning and Reduction of NCPL (0 Events)