

System Operations Subcommittee

PJM Operations Summary

October 2024 Operations

October Events:

- 1 Shared Reserve Event**
- 1 Synchronized Reserve Event**
- 2 High System Voltage Events**
- 2 Geomagnetic Disturbance Warning Events**
- 1 Geomagnetic Disturbance Action Event**
- 22 PCLLRW Events**

CPS1: 141.15% CPS2: 81.68% BAAL: 99.98%

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 (1 Event)

Effective Start Time	Effective End Time	Message	Region
10.10.2024 00:18	10.10.2024 00:35	PJM provided 141 MW of NPCC Shared Reserves	NPCC

Synchronized Reserve Event (1 Event)

Effective Start Time	Effective End Time	Message	Region
10.22.2024 10:02	10.22.2024 10:08	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO

High System Voltage (2 Events)

Effective Start Time	Effective End Time	Message	Region
10.12.2024 23:15	10.13.2024 09:25	A High System Voltage Action has been issued; all companies shall take the following actions on the Bulk Electric System: 1. All switchable capacitors are out of service. 2. All reactors are in service.	RTO
10.08.2024 01:20	10.08.2024 05:52	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	RTO

System Operations Subcommittee

PJM Operations Summary

October 2024 Operations

		<p>restrictions to their generator's ability to absorb MVARs if that capability varies from the existing "D" curve.</p> <p>Target: Distribution Companies/Transmission Owners/Generation</p>	
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Geomagnetic Disturbance Warning (2 Events)

Effective Start Time	Effective End Time	Message	Region
10.10.2024 11:41	10.11.2024 14:00	A Geomagnetic Disturbance Warning has been issued for 11:41 on 10.10.2024 through 14:00 on 10.11.2024 . A GMD warning of K7 or greater is in effect for this period.	RTO
10.07.2024 22:40	10.08.2024 05:00	A Geomagnetic Disturbance Warning has been issued for 22:40 on 10.07.2024 through 05:00 on 10.08.2024 . A GMD warning of K7 or greater is in effect for this period.	RTO

Geomagnetic Disturbance Action (1 Event)

Effective Start Time	Effective End Time	Message	Region
10.10.2024 11:41	10.11.2024 14:00	A Geomagnetic Disturbance Warning has been issued for 11:41 on 10.10.2024 through 14:00 on 10.11.2024 . A GMD warning of K7 or greater is in effect for this period.	RTO

PCLLRW (22 Events)

Effective Start Time	Effective End Time	Message	Region
10.30.2024 14:52	11.01.2024 18:54	A Post Contingency Local Load Relief Warning has been issued to maintain ATLNTCDP-GAINESVL 2161C at 833.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
10.29.2024 06:53	10.29.2024 07:05	A Post Contingency Local Load Relief Warning has been issued to maintain ROXBURY 115 KV *F08 at 105.8 KV in the FE(PN) for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	FE-PN
10.28.2024 06:28	10.29.2024 17:06	A Post Contingency Local Load Relief Warning has been issued to maintain OPEQUON 138 KV 138-B at 127.0 KV in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	FE-AP
10.22.2024 13:24	10.23.2024 15:51	A Post Contingency Local Load Relief Warning has been issued to maintain ATLNTCDP-GAINESVL 2161C at 833.0 MVA in the DOM for Transmission Contingency Control.	DOM

System Operations Subcommittee

PJM Operations Summary

October 2024 Operations

		Additional Comments: Load -No Generation or Switching available	
10.21.2024 16:05	10.22.2024 05:02	A Post Contingency Local Load Relief Warning has been issued to maintain ATLNTCDP-GAINESVL 2161C at 833.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
10.17.2024 07:02	10.21.2024 09:44	A Post Contingency Local Load Relief Warning has been issued to maintain OPEQUON 138 KV 138-B at 127.0 KV in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	FE-AP
10.16.2024 19:22	10.17.2024 08:22	A Post Contingency Local Load Relief Warning has been issued to maintain WOOSTER 138 KV *E06 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
10.13.2024 14:26	10.13.2024 22:06	A Post Contingency Local Load Relief Warning has been issued to maintain ATLNTCDP-GAINESVL 2161C at 833.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
10.12.2024 15:45	10.12.2024 19:55	A Post Contingency Local Load Relief Warning has been issued to maintain ATLNTCDP-GAINESVL 2161C at 833.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
10.07.2024 19:38	10.08.2024 11:12	A Post Contingency Local Load Relief Warning has been issued to maintain NDELPHOS 138 KV *E02 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
10.06.2024 17:22	10.10.2024 12:06	A Post Contingency Local Load Relief Warning has been issued to maintain CHATFIEL-MELMORE CHA-MEL at 173.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
10.05.2024 14:47	10.05.2024 19:00	A Post Contingency Local Load Relief Warning has been issued to maintain ATLNTCDP-GAINESVL 2161C at 849.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
10.04.2024 12:06	10.04.2024 23:21	A Post Contingency Local Load Relief Warning has been issued to maintain ATLNTCDP-GAINESVL 2161C at 849.0 MVA in the DOM for Transmission Contingency Control.	DOM

System Operations Subcommittee

PJM Operations Summary

October 2024 Operations

		Additional Comments: Load -No Generation or Switching available	
10.03.2024 15:14	10.03.2024 22:09	A Post Contingency Local Load Relief Warning has been issued to maintain ATLNTCDP-GAINESVL 2161C at 849.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
10.03.2024 12:01	10.03.2024 22:37	A Post Contingency Local Load Relief Warning has been issued to maintain MEADOWVI 138 KV BB_3222 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
10.01.2024 09:53	10.03.2024 10:45	A Post Contingency Local Load Relief Warning has been issued to maintain HILL_AEP-NAGELAEP at 228.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
09.30.2024 09:40	10.05.2024 08:49	A Post Contingency Local Load Relief Warning has been issued to maintain GRASSYCR 138 KV BB_3015 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
09.30.2024 09:25	10.03.2024 12:04	A Post Contingency Local Load Relief Warning has been issued to maintain MEADOWVI 138 KV BB_3222 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
09.30.2024 09:22	10.03.2024 09:06	A Post Contingency Local Load Relief Warning has been issued to maintain BROADFO2-SALTVILL 2 at 273.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
09.28.2024 13:45	10.05.2024 08:50	A Post Contingency Local Load Relief Warning has been issued to maintain GRASSYCR 138 KV BB_3015 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
09.27.2024 22:04	10.03.2024 12:08	A Post Contingency Local Load Relief Warning has been issued to maintain EDENSRID 138 KV *E03 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
09.25.2024 12:04		A Post Contingency Local Load Relief Warning has been issued to maintain RIVERVIL 138 KV *E14 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP

System Operations Subcommittee

PJM Operations Summary

October 2024 Operations

Cold Weather Advisory (0 Events)

Cold Weather Alert (0 Events)

Conservative Operations (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)

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/Load Management Alert (0 Events)

Maximum Generation Emergency Action (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 Event (0 Events)

Pre-Emergency Load Mgmt Reduction Action (0 Events)

Primary Reserve Alert (0 Events)

Primary Reserve Warning (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)