

System Operations Subcommittee

PJM Operations Summary

August 2024 Operations

August Events:

7 Shared Reserve Events

16 PCLLRW Events

1 Maximum Generation Emergency/Load Management Alert Event

6 Hot Weather Alert Events

4 Synchronized Reserve Events

5 Geomagnetic Disturbance Warning Events

2 Special Notice Events [Voltage Reduction Action Tests]

CPS1: 137.52% CPS2: 82.71% BAAL: 99.92%

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 (7 Events)

Effective Start Time	Effective End Time	Message	Region
08.28.2024 10:25	08.28.2024 10:45	PJM provided 71 MW of NPCC Shared Reserves	NPCC
08.24.2024 17:04	08.24.2024 17:15	PJM provided 92 MW of NPCC Shared Reserves	NPCC
08.08.2024 18:05	08.08.2024 18:35	PJM provided 142 MW of NPCC Shared Reserves	NPCC
08.05.2024 19:28	08.05.2024 19:45	PJM provided 72 MW of NPCC Shared Reserves	NPCC
08.05.2024 15:18	08.05.2024 15:38	PJM provided 71 MW of NPCC Shared Reserves	NPCC
08.05.2024 08:08	08.05.2024 08:28	PJM provided 71 MW of NPCC Shared Reserves	NPCC
08.01.2024 16:47	08.01.2024 17:05	PJM provided 67 MW of NPCC Shared Reserves	NPCC

PCLLRW (16 Events)

Effective Start Time	Effective End Time	Message	Region
08.28.2024 16:43	08.29.2024 11:09	A Post Contingency Local Load Relief Warning has been issued to maintain FIFTHAVE-HESS at 207.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
08.28.2024 16:22	08.29.2024 11:10	A Post Contingency Local Load Relief Warning has been issued to maintain LOCKBOUR 138 KV *E11 at 127.0 KV in the AEP for Transmission Contingency Control.	AEP

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		Additional Comments: Load -No Generation or Switching available	
08.27.2024 18:33	08.27.2024 21:31	A Post Contingency Local Load Relief Warning has been issued to maintain SBALTIMO-WMILLERS at 167.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
08.27.2024 17:51	08.27.2024 20:54	A Post Contingency Local Load Relief Warning has been issued to maintain NEWCARLI-NEWCARNI NEW-NWN2 at 167.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
08.27.2024 17:41	08.29.2024 22:28	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
08.26.2024 19:44	08.26.2024 20:30	A Post Contingency Local Load Relief Warning has been issued to maintain MALISZEW 1 XFORMER at 813.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Generation - slow response	AEP
08.26.2024 19:31	08.26.2024 20:30	A Post Contingency Local Load Relief Warning has been issued to maintain MILLBROO-NPORTSMO at 185.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Generation - slow response	AEP
08.26.2024 14:40	08.27.2024 08:07	A Post Contingency Local Load Relief Warning has been issued to maintain NVALDO XFMRT1 XFORMER at 41.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
08.18.2024 11:17	08.18.2024 11:24	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
08.03.2024 21:04	08.04.2024 19:25	A Post Contingency Local Load Relief Warning has been issued to maintain CORSON-COURT 0720-1 at 119.0 MVA in the AE for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AECO
08.03.2024 20:44	08.04.2024 19:25	A Post Contingency Local Load Relief Warning has been issued to maintain CORSON-COURT 0720-1 at 116.0 MVA in the AE for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AECO

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08.02.2024 16:11	08.02.2024 18:39	A Post Contingency Local Load Relief Warning has been issued to maintain SOWEGODP-INDEPHIL 183C at 184.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
08.02.2024 14:59	08.02.2024 18:39	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
08.01.2024 13:30	08.02.2024 00:37	A Post Contingency Local Load Relief Warning has been issued to maintain FAIRTON 69 KV *I02 at 65.0 KV in the AE for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AECO
07.31.2024 17:39	08.01.2024 02:21	A Post Contingency Local Load Relief Warning has been issued to maintain HEATH-WMILLERS at 205.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
07.16.2024 17:57	08.07.2024 03:15	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

Maximum Generation Emergency/Load Management Alert (1 Event)

Effective Start Time	Effective End Time	Message	Region
08.27.2024 07:00	08.27.2024 19:30	A Maximum Generation Emergency/Load Management Alert and an EEA1 have been issued from 07:00 on 08.27.2024 through 19:30 on 08.27.2024 . Maximum Generation Emergency has been called into the operating capacity. Per M-13, Generation Dispatchers should provide PJM with an estimate of the amount of time they need to return to service any generator on a Planned Outage. This 'Early Return Time' should be updated via eDART, and will not affect the Planned Outage estimated end date. Additional Comments: PJM is declaring a Maximum Generation Emergency/Load Management Alert due to a high load forecast and increased exports. PJM will curtail exports if needed to maintain reserves.	RTO

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Hot Weather Alert (6 Events)

Effective Start Time	Effective End Time	Message	Region
08.28.2024 07:00	08.28.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 08.28.2024 through 23:00 on 08.28.2024 Per M-13, members are expected to perform: TRANSMISSION/GEN DISPATCH review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.	RTO
08.27.2024 07:00	08.27.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 08.27.2024 through 23:00 on 08.27.2024 Per M-13, members are expected to perform: TRANSMISSION/GEN DISPATCH review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.	RTO
08.26.2024 07:00	08.26.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 08.26.2024 through 23:00 on 08.26.2024 Per M-13, members are expected to perform: TRANSMISSION/GEN DISPATCH review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.	WESTERN
08.05.2024 07:00	08.05.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 08.05.2024 through 23:00 on 08.05.2024 Per M-13, members are expected to perform: TRANSMISSION/GEN DISPATCH review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.	MIDATL, SOUTHERN
08.02.2024 07:00	08.02.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 08.02.2024 through 23:00 on 08.02.2024 Per M-13, members are expected to perform: TRANSMISSION/GEN DISPATCH review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.	MIDATL, SOUTHERN

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07.31.2024 07:00	08.01.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 07.31.2024 through 23:00 on 08.01.2024 Per M-13, members are expected to perform: TRANSMISSION/GEN DISPATCH review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.	MIDATL, SOUTHERN
08.28.2024 07:00	08.28.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 08.28.2024 through 23:00 on 08.28.2024 Per M-13, members are expected to perform: TRANSMISSION/GEN DISPATCH review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.	RTO

Synchronized Reserve (4 Events)

Effective Start Time	Effective End Time	Message	Region
08.26.2024 13:53	08.26.2024 13:57	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO
08.18.2024 16:04	08.18.2024 16:20	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO
08.12.2024 17:10	08.12.2024 17:20	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO
08.12.2024 17:10	08.12.2024 17:10	100% Synchronized Reserve Event has been initiated for the MAD region.	MIDATL, DOM

Geomagnetic Disturbance Warning (5 Events)

Effective Start Time	Effective End Time	Message	Region
08.17.2024 13:45	08.17.2024 17:00	A Geomagnetic Disturbance Warning has been issued for 13:45 on 08.17.2024 through 17:00 on 08.17.2024 . A GMD warning of K7 or greater is in effect for this period.	RTO
08.12.2024 14:52	08.12.2024 20:00	A Geomagnetic Disturbance Warning has been issued for 14:52 on 08.12.2024 through 20:00 on 08.12.2024 . A GMD warning of K-7 or greater is in effect for this period.	RTO
08.12.2024 05:00	08.12.2024 14:00	A Geomagnetic Disturbance Warning has been issued for 05:00 on 08.12.2024 through 14:00 on 08.12.2024 . A GMD warning of K-7 or greater is in effect for this period.	RTO

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08.12.2024 01:05	08.12.2024 05:00	A Geomagnetic Disturbance Warning has been issued for 01:05 on 08.12.2024 through 05:00 on 08.12.2024 . A GMD warning of K-7 or greater is in effect for this period.	RTO
08.04.2024 10:45	08.04.2024 16:02	A Geomagnetic Disturbance Warning has been issued for 10:45 on 08.04.2024 through 16:02 on 08.04.2024 . A GMD warning of K-7 or greater is in effect for this period.	RTO

Special Notice (2 Events)

Effective Start Time	Effective End Time	Message	Region
08.15.2024 13:45	08.15.2024 14:30	A Special Notice : Western and Southern Region Voltage Reduction Action test Additional Comments: At 14:00 EPT PJM will be performing a Western and Southern Region 5% Voltage Reduction Action test, no actual transmission or capacity event triggers exist on the system. The test is scheduled to end at 14:30 EPT.	WESTERN, SOUTHERN
08.14.2024 13:45	08.14.2024 14:30	A Special Notice : Mid-Atlantic Region Voltage Reduction Action Test Additional Comments: At 14:00 EPT PJM will be performing a Mid-Atlantic Region 5% Voltage Reduction Action test, no actual transmission or capacity event triggers exist on the system. The test is scheduled to end at 14:30 EPT.	MIDATL

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Maintenance Outage Recall (0 Event(s))
Non-Market PCLLRW (0 Event(s))
High System Voltage (0 Event(s))
Geomagnetic Disturbance Warning (0 Event(s))
Geomagnetic Disturbance Action (0 Event(s))
Non-Market PCLLRW (0 Event(s))
Conservative Operations (0 Event(s))
Cold Weather Alert (0 Event(s))
Cold Weather Advisory (0 Event(s))
TLR (0 Event(s))
Unit Startup Notification Alert (0 Event(s))
Voltage Reduction Warning (0 Event(s))
Voltage Reduction (0 Event(s))
Manual Load Dump Event (0 Event(s))
Manual Load Dump Warning (0 Event(s))
Max Emergency Gen Alert (0 Event(s))
Max Emergency Generation (0 Event(s))
Min Gen Alert (0 Event(s))
Min Gen Declaration (0 Event(s))
Local Min Generation Event (0 Event(s))
HLV Schedule Warning (0 Event(s))
HLV Schedule Action (0 Event(s))
Primary Reserve Warning (0 Event(s))
Manual Load Dump Warning (0 Event(s))
Emergency Energy Request (0 Event(s))