

System Operations Subcommittee

PJM Operations Summary

February 2025 Operations

February Events:

3 Shared Reserve Events

3 Synchronized Reserve Events

1 Cold Weather Advisory Event

2 Cold Weather Alert Events

2 Conservative Operation Events

17 PCLLRW Events

1 Pre-Emergency Load Mgmt Reduction Action Event

1 Special Notice Event

CPS1: 138.80% CPS2: 83.59% BAAL: 99.86%

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 (3 Events)

Effective Start Time	Effective End Time	Message	Region
02.14.2025 08:48	02.14.2025 09:03	PJM provided 68 MW of NPCC Shared Reserves	NPCC
02.13.2025 19:35	02.13.2025 19:50	PJM provided 93 MW of NPCC Shared Reserves	NPCC
02.13.2025 19:06	02.13.2025 19:25	PJM provided 67 MW of NPCC Shared Reserves	NPCC

Synchronized Reserve (3 Events)

Effective Start Time	Effective End Time	Message	Region
02.11.2025 09:04	02.11.2025 09:10	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO
02.06.2025 13:56	02.06.2025 14:01	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO
02.05.2025 10:05	02.05.2025 10:15	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO

Cold Weather Advisory (1 Event)

Effective Start Time	Effective End Time	Message	Region
02.17.2025 00:00	02.20.2025 23:59	A Cold Weather Advisory has been issued from 00:00 on 02.17.2025 through 23:59 on 02.20.2025 . <p> Per M-13, members are expected to perform the following: - Prepare to take freeze protection actions such as erecting temporary windbreaks or shelters, positioning heaters, verifying	WESTERN

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		heat trace systems, or draining equipment prone to freezing - Review weather forecasts determine any forecasted operational changes, and notify PJM of any changes - Members are to update Markets Gateway by entering unit specific operation limitations associated with cold weather preparedness. <p> Operating limitations include: - Generator capability and availability - Fuel supply and inventory concerns - Fuel switching capabilities - Environmental constraints - Generating unit minimums (design temperature, historical operating temperature or current cold weather performance temperature as determined by an engineering analysis)	
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Cold Weather Alert (2 Events)

Effective Start Time	Effective End Time	Message	Region
02.19.2025 00:00	02.19.2025 23:59	A Cold Weather Alert has been issued from 00:00 on 02.19.2025 through 23:59 on 02.19.2025 Per M-13, members are expected to perform the following: TRANSMISSION/GEN DISPATCHERS review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled. GEN DISPATCHERS: -Review & update unit parameters in Markets Gateway (MG) through the Cold Weather Alert period paying particular attention to accurate Start-up & Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max. -Submit alternate fuel capability & resource limitations via MG. -Review fuel supply/delivery schedules for greater than normal operation of units. -Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated in eDART & will not affect the Planned Outage est. end date. -Dual fuel units, confirm equipment is functional & amount of alternate fuel available. -Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4.	WESTERN
02.17.2025 00:00	02.18.2025 23:59	A Cold Weather Alert has been issued from 00:00 on 02.17.2025 through 23:59 on 02.18.2025 Per M-13, members are expected to perform the following: TRANSMISSION/GEN DISPATCHERS review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be	WESTERN

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		<p>deferred/canceled.</p> <p>GEN DISPATCHERS:</p> <ul style="list-style-type: none">-Review & update unit parameters in Markets Gateway (MG) through the Cold Weather Alert period paying particular attention to accurate Start-up & Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max.-Submit alternate fuel capability & resource limitations via MG.-Review fuel supply/delivery schedules for greater than normal operation of units.-Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated in eDART & will not affect the Planned Outage est. end date.-Dual fuel units, confirm equipment is functional & amount of alternate fuel available.-Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4.	
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Conservative Operation (2 Events)

Effective Start Time	Effective End Time	Message	Region
02.16.2025 18:00	02.19.2025 10:00	A Conservative Operations event has been issued from 18:00 on 02.16.2025 through 10:00 on 02.19.2025 due to extreme weather and advanced out of market commitment to address fuel uncertainty and cold weather operating limit risk.	RTO
02.14.2025 17:33	02.14.2025 17:33	A Conservative Operations event has been issued from 17:33 on 02.14.2025 through 17:33 on 02.14.2025 due to Cold Weather Alert for the Western Region Additional Comments: PJM is requesting for Generator owners to review staffing for combustion turbines and offline generating stations to ensure that staff is ready to start units given the Presidents Day holiday on February 17th. PJM is requesting for combustion turbine sites to be staffed and ready for startup beginning on Monday at 16:00 through 22:00 and then on Tuesday at 04:00 through 10:00 and for the evening peak from 14:00 through 22:00. PJM is also requesting staffing for Wednesday at 04:00 through 10:00.	RTO

PCLLRW (17 Events)

Effective Start Time	Effective End Time	Message	Region
02.26.2025 08:50	02.26.2025 09:08	A Post Contingency Local Load Relief Warning has been issued to maintain 0903 LINE 38 5 : 5 at 127.0 KV in the COMED for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	COMED

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02.21.2025 07:48	02.21.2025 13:05	A Post Contingency Local Load Relief Warning has been issued to maintain BROADFO2-KEYWOOD BRO-KEY1 at 210.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
02.21.2025 07:36	02.21.2025 07:48	A Post Contingency Local Load Relief Warning has been issued to maintain BROADFO2-KEYWOOD BRO-KEY1 at 210.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
02.21.2025 07:35	02.21.2025 07:36	A Post Contingency Local Load Relief Warning has been issued to maintain KEYWOOD -WOLFHILL KEY-WOL1 at 210.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
02.20.2025 08:04	02.20.2025 08:48	A Post Contingency Local Load Relief Warning has been issued to maintain ABINGDON-CLINCHRI at 210.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
02.19.2025 15:10	02.19.2025 22:24	A Post Contingency Local Load Relief Warning has been issued to maintain PLEASNTV L3T203 CB at 1539.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
02.19.2025 15:09	02.19.2025 22:24	A Post Contingency Local Load Relief Warning has been issued to maintain PLEASNTV 20982180 CB at 1512.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
02.19.2025 15:08	02.19.2025 22:24	A Post Contingency Local Load Relief Warning has been issued to maintain PLEASNTV-ASHBURN 274D at 1673.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
02.19.2025 15:08	02.19.2025 22:24	A Post Contingency Local Load Relief Warning has been issued to maintain BRAMBLET-EVRGREEN 2172B at 1197.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
02.19.2025 06:15	02.21.2025 12:29	A Post Contingency Local Load Relief Warning has been issued to maintain HIGHLND2-MARTIDPL HIG-09M1 at 68.0 MVA in the DAYTON for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP, DAY

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02.16.2025 15:48	02.21.2025 12:14	A Post Contingency Local Load Relief Warning has been issued to maintain ADAMSAEP 138 KV *E08 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
02.13.2025 05:06	02.15.2025 18:09	A Post Contingency Local Load Relief Warning has been issued to maintain AUBURN C5 138 KV BB_18845 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
02.11.2025 06:42	02.15.2025 18:09	A Post Contingency Local Load Relief Warning has been issued to maintain ADAMSAEP 138 KV *E08 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
02.10.2025 11:50	02.10.2025 12:59	A Post Contingency Local Load Relief Warning has been issued to maintain ADAMSAEP 138 KV *E08 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
02.05.2025 07:29	02.07.2025 05:43	A Post Contingency Local Load Relief Warning has been issued to maintain ADAMSAEP 138 KV *E08 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
02.03.2025 09:23	02.04.2025 05:00	A Post Contingency Local Load Relief Warning has been issued to maintain DUBOIS 115 KV 115-2 at 105.8 KV in the FE(PN) for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	FE-PN
01.30.2025 06:06	02.04.2025 04:58	A Post Contingency Local Load Relief Warning has been issued to maintain ADAMSAEP 138 KV *E08 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP

Pre-Emergency Load Mgmt Reduction Action (1 Event)

Effective Start Time	Effective End Time	Message	Region
02.19.2025 16:20	02.19.2025 22:15	A Pre-Emergency Load Mgmt Reduction Action has been issued. Load reduction start times can be found by clicking on the hyperlink(s) in the Regions column. Load reductions should continue until released by PJM. Reductions are mandatory based on product requirements. CSPs should review DR Hub for specific registration details. Lead Time(s) dispatched: Quick_30, Long_120 . Product(s) dispatched: Capacity Performance DR Additional Comments: SZ_DOM_ASHBURN_116472939	DOM

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Special Notice (1 Event)

Effective Start Time	Effective End Time	Message	Region
02.05.2025 06:45	02.05.2025 07:30	A Special Notice : PJM RTO Voltage Reduction Test Additional Comments: At 07:00 EPT PJM will be performing a RTO 5% Voltage Reduction Action Test, no actual Emergency Procedures exist on the system. The test is scheduled to end at 07:30 EPT.	RTO

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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)
Geomagnetic Disturbance Warning (0 Events)
High System Voltage (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 (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)