

System Operations Subcommittee

PJM Operations Summary

January 2024 Operations

January Events:

- 1 Shared Reserve Event**
- 18 PCLLRW Events**
- 3 Non-Market PCLLRW Events**
- 3 Synchronized Reserve Events**
- 1 Conservative Operation Event**
- 2 Cold Weather Alert Events**
- 1 Cold Weather Advisory Event**
- 1 TLR Event**
- 3 Special Notices**

CPS1: 136.66% CPS2: 82.30% BAAL: 99.85%

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
01.02.2024 08:17	01.02.2024 08:55	PJM provided 83 MW of NPCC Shared Reserves	NPCC

PCLLRW (18 Events)

Effective Start Time	Effective End Time	Message	Region
01.21.2024 06:08	01.21.2024 08:12	A Post Contingency Local Load Relief Warning has been issued to maintain TASLEY 69 KV *G04 at 65.0 KV in the DPL for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DPL
01.21.2024 05:55	01.22.2024 10:12	A Post Contingency Local Load Relief Warning has been issued to maintain COFFEE 138 KV *E02 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
01.18.2024 07:11	01.18.2024 14:19	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
01.17.2024 14:27	01.17.2024 14:35	A Post Contingency Local Load Relief Warning has been issued to maintain 15518 -132 GARD 15518 2 at 206.0 MVA in the COMED for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	COMED

System Operations Subcommittee

PJM Operations Summary

January 2024 Operations

01.17.2024 07:14	01.17.2024 18:32	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
01.17.2024 07:01	01.17.2024 18:30	A Post Contingency Local Load Relief Warning has been issued to maintain PITTS_EK 161 KV ND_142 at 148.9 KV in the EKPC for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	EKPC
01.17.2024 06:51	01.18.2024 08:28	A Post Contingency Local Load Relief Warning has been issued to maintain MCCONVIL 138 KV *E01 at 127 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
01.17.2024 06:12	01.17.2024 06:14	A Post Contingency Local Load Relief Warning has been issued to maintain MCCONVIL 138 KV *E01 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
01.17.2024 05:33	01.17.2024 18:31	A Post Contingency Local Load Relief Warning has been issued to maintain ROWAN_CO 138 KV ND_151 at 127.7 KV in the EKPC for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	EKPC
01.17.2024 05:06	01.17.2024 23:11	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
01.17.2024 03:49	01.17.2024 04:13	A Post Contingency Local Load Relief Warning has been issued to maintain CLIMAXDP 69 KV B at 63.5 KV in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
01.16.2024 20:44	01.17.2024 04:54	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: Load -No Generation or Switching available	AEP
01.16.2024 16:48	01.23.2024 15:55	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: Post Contingency Switching available	FE-AP

System Operations Subcommittee

PJM Operations Summary

January 2024 Operations

01.16.2024 14:28	01.17.2024 05:06	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: Generation - slow response	AECO
01.15.2024 09:37	01.16.2024 09:03	A Post Contingency Local Load Relief Warning has been issued to maintain MONR PL 138 KV *E01 at 127 KV in the PL for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	PPL
01.12.2024 09:18	01.12.2024 13:12	A Post Contingency Local Load Relief Warning has been issued to maintain 20 BRAID-66 E FRN 2001 at 1848.0 MVA in the COMED for Transmission Contingency Control. Additional Comments: Generation - slow response	COMED
01.12.2024 09:01	01.12.2024 13:12	A Post Contingency Local Load Relief Warning has been issued to maintain 77 MAZON-0108 0108 2 at 264.0 MVA in the COMED for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	COMED
01.08.2024 18:39	01.08.2024 23:01	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

Non-Market PCLLRW (3 Event)

Effective Start Time	Effective End Time	Message	Region
01.20.2024 06:25	01.22.2024 10:02	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain COOP_EK 161_69 XFR at 138.0 MVA in the EKPC for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	EKPC
01.16.2024 21:15	01.17.2024 18:30	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain COOP_EK 161_69 XFR at 138.0 MVA in the EKPC for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	EKPC
01.14.2024 07:05	01.14.2024 09:47	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain GRAYSBRA-ARGNT_EK TIE at 54.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	EKPC, AEP

System Operations Subcommittee

PJM Operations Summary

January 2024 Operations

Synchronized Reserve (3 Events)

Effective Start Time	Effective End Time	Message	Region
01.29.2024 12:03	01.29.2024 12:12	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO
01.25.2024 12:39	01.25.2024 12:47	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO
01.13.2024 01:59	01.13.2024 02:04	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO

Conservative Operations (1 Event)

Effective Start Time	Effective End Time	Message	Region
01.13.2024 00:00	01.17.2024 23:56	A Conservative Operations event has been issued from 00:00 on 01.13.2024 through 23:56 on 01.17.2024 due to Weather and fuel restrictions	RTO

Cold Weather Alert (2 Event)

Effective Start Time	Effective End Time	Message	Region
01.19.2024 16:00	01.22.2024 10:00	A Cold Weather Alert has been issued from 16:00 on 01.19.2024 through 10:00 on 01.22.2024 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.	WESTERN
01.14.2024 00:00	01.17.2024 23:56	A Cold Weather Alert has been issued from 00:00 on 01.14.2024 through 23:56 on 01.17.2024 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.	WESTERN

Cold Weather Advisory (1 Event)

Effective Start Time	Effective End Time	Message	Region
01.13.2024 01:59	01.13.2024 02:04	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO

System Operations Subcommittee

PJM Operations Summary

January 2024 Operations

TLR (1 Event)

Effective Start Time	Effective End Time	Message	Region
01.17.2024 07:00	01.17.2024 22:45	A TLR Level 1 has been issued for control of flowgate 59, AEP-DOM Interface	01.17.2024 07:00

Special Notices (2 Events)

Effective Start Time	Effective End Time	Message	Region
01.25.2024 09:10	01.25.2024 11:02	<p>A Special Notice : Emergency Procedures Switchover Additional Comments: PJM will be performing a system switchover for Emergency Procedures today, 01/25, from 1000 hours to 1200 hours. During this time, Emergency Procedures may be unavailable for up to 30 minutes. PJM Emergency Procedures events will be communicated, as normal, via PJM All-Call and/or direct operator-to-operator communications. If you have any questions regarding this communication or experience any access issues after the conclusion of the outage, please contact EAdmin@pjm.com.</p>	RTO
01.17.2024 13:54	01.22.2024 10:00	<p>A Special Notice : ADDITIONAL REGULATION FOR THE COLD WEATHER ADVISORY PERIOD Additional Comments: Due to the Cold Weather Advisory continuing through January 22 at 10:00, PJM will continue to carry 800 MWs of Regulation from hour ending 1 through hour ending 24 on January 18 until January 22 at 10:00. These values are subject to change as system conditions dictate. Regulation requirements being cleared can be viewed under the Regulation Prices (RT) and Day-Ahead Ancillary Service Market Results feeds in Data Miner 2 as well as the Public > Market Results Ancillary Services (RT/DA) screens in Markets Gateway. The business rules around the increased requirements can be found in Manual 11, Section 4.3 (Reserves) and Manual 12, Section 4.3.3 (Regulation). If you have any questions, please contact PJM's Member Relations (custsvc@pjm.com) or 610-666-8980.</p>	RTO
01.12.2024 11:54	01.17.2024 23:56	<p>A Special Notice : ADDITIONAL RESERVES AND REGULATION FOR THE COLD WEATHER ALERT PERIOD Additional Comments: Due to the Cold Weather Alert being declared for January 14-17, PJM will carry an additional 300</p>	RTO

System Operations Subcommittee

PJM Operations Summary

January 2024 Operations

		<p>MWs of extended Reserves in the second segment of the Reserve Demand Curve (in Day-Ahead and Real-Time) for the RTO Zone only, effective hour ending 6 through hour ending 24 on January 14-17 and 800 MWs of Regulation effective hour ending 1 through hour ending 24 on January 14-17. Both of these values are subject to change as system conditions dictate. Reserve and Regulation requirements being cleared can be viewed under the Dispatched Reserves (RT), Regulation Prices (RT), and Day-Ahead Ancillary Service Market Results feeds in Data Miner 2 as well as the Public > Market Results Ancillary Services (RT/DA) screens in Markets Gateway.</p> <p>The business rules around the increased requirements can be found in Manual 11, Section 4.3 (Reserves) and Manual 12, Section 4.3.3 (Regulation).</p> <p>If you have any questions, please contact PJM's Member Relations (custsvc@pjm.com) or 610-666-8980.</p>	
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PJM Operations Summary

January 2024 Operations

High System Voltage (0 Event(s))

Geomagnetic Disturbance Warning (0 Event(s))

Hot Weather Alert (0 Event(s))

Maximum Generation Emergency/Load Management Alert (0 Event(s))

Maintenance Outage Recall (0 Events)

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))