

**System Operations Subcommittee**

**PJM Operations Summary**

**May 2024 Operations**

**May Events:**

- 1 Shared Reserve Event**
- 16 PCLLRW Events**
- 4 Non-Market PCLLRW Events**
- 3 Geomagnetic Disturbance Warning Events**
- 1 Geomagnetic Disturbance Action Event**
- 1 High System Voltage Event**
- 1 Hot Weather Alert Event**

**CPS1: 133.24% CPS2: 82.57% BAAL: 99.95%**

<sup>1</sup>PJM 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)**

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
05.22.2024 09:34	05.22.2024 09:44	PJM provided 75 MW of NPCC Shared Reserves	NPCC

**PCLLRW (16 Events)**

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
05.30.2024 11:25	05.30.2024 13:09	A Post Contingency Local Load Relief Warning has been issued to maintain CAMPBEL2 138 KV BB_12695 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	FE-ATSI, AEP
05.30.2024 11:19	05.30.2024 13:22	A Post Contingency Local Load Relief Warning has been issued to maintain 02JMP 138 KV *E01 at 127.0 KV in the FE(ATSI) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	FE-ATSI
05.22.2024 17:52	05.22.2024 18:11	A Post Contingency Local Load Relief Warning has been issued to maintain DAVISBES B34562 CB at 1660.0 MVA in the FE(ATSI) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	FE-ATSI
05.22.2024 15:36	05.22.2024 20:26	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
05.21.2024 21:34	05.22.2024 01:21	A Post Contingency Local Load Relief Warning has been issued to maintain SALTSPRG-MASURY at 153.0 MVA in the FE(ATSI) for	FE-ATSI

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		Transmission Contingency Control. Additional Comments: Post Contingency Generation redispatch available	
05.21.2024 19:16	05.21.2024 21:03	A Post Contingency Local Load Relief Warning has been issued to maintain SALTSPRG-MASURY at 153 MVA in the FE(ATSI) for Transmission Contingency Control. Additional Comments: Post Contingency Generation redispatch available	FE-ATSI
05.21.2024 18:54	05.22.2024 01:37	A Post Contingency Local Load Relief Warning has been issued to maintain CHERRYCR 138 KV *E08 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
05.21.2024 18:18	05.21.2024 18:30	A Post Contingency Local Load Relief Warning has been issued to maintain GLENDON-NORTHWTP 951 at 195.0 MVA in the FE(ME) for Transmission Contingency Control. Additional Comments: Generation - slow response	FE-ME
05.21.2024 16:54	05.21.2024 18:57	A Post Contingency Local Load Relief Warning has been issued to maintain 116 GOOD TR82CT-P XFORMER at 480.0 MVA in the COMED for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	COMED
05.21.2024 16:09	05.22.2024 23:05	A Post Contingency Local Load Relief Warning has been issued to maintain GEORGEWA-KAMMER2 at 446.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
05.20.2024 14:36	05.22.2024 23:05	A Post Contingency Local Load Relief Warning has been issued to maintain STORONT2 1 XFORMER at 60.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
05.20.2024 12:10	05.24.2024 20:17	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. Additional Comments: Load -No Generation or Switching available	AEP
05.16.2024 06:33	05.16.2024 18:21	A Post Contingency Local Load Relief Warning has been issued to maintain WMILBURG 138 KV *E06 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
05.08.2024 17:08	05.08.2024 21:52	A Post Contingency Local Load Relief Warning has been issued to maintain HOWARD2-MELMORE at 172.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	FE-ATSI, AEP

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05.08.2024 16:55	05.08.2024 21:52	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	FE-ATSI, AEP
05.06.2024 08:06	05.06.2024 08:54	A Post Contingency Local Load Relief Warning has been issued to maintain MORELAND 138 KV BB_3234 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP

**Non-Market PCLLRW (4 Events)**

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
05.21.2024 16:30	05.22.2024 01:37	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain GREENCO -GREENSBU TIE at 66.0 MVA in the EKPC for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	EKPC
05.20.2024 11:52	05.20.2024 16:12	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain FALLROCK 161 KV ND_143 at 148.9 KV in the EKPC for Transmission Contingency Control. Additional Comments: Post Contingency Generation redispatch available	EKPC
05.18.2024 17:06	05.18.2024 22:43	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain HINESVIL-WSHELBY HIN-WSHE at 48 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP, FE-ATSI
05.18.2024 15:19	05.18.2024 15:51	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain HINESVIL-WSHELBY HIN-WSHE at 48.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP

**Geomagnetic Disturbance Warning (3 Events)**

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
05.10.2024 20:00	05.13.2024 02:00	A Geomagnetic Disturbance Warning has been issued for 20:00 on 05.10.2024 through 02:00 on 05.13.2024 . A GMD warning of K7 or greater is in effect for this period.	RTO
05.10.2024 13:48	05.10.2024 20:00	A Geomagnetic Disturbance Warning has been issued for 13:48 on 05.10.2024 through 20:00 on 05.10.2024 . A GMD warning of K8 or greater is in effect for this period.	RTO

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05.02.2024 12:54	05.02.2024 23:00	A Geomagnetic Disturbance Warning has been issued for 12:54 on 05.02.2024 through 23:00 on 05.02.2024 . A GMD warning of K7 or greater is in effect for this period.	RTO
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**Geomagnetic Disturbance Action (1 Event)**

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
05.10.2024 22:15	05.11.2024 12:00	A Geomagnetic Disturbance Action has been issued as of 22:15 on 05.10.2024 to protect the power system from damage or disruptions due to increased geomagnetic activity.	RTO

**High System Voltage (1 Event)**

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
05.11.2024 22:00	05.12.2024 07:45	<p>A High System Voltage Action has been issued; all companies shall take the following actions on the Bulk Electric System:</p> <ol style="list-style-type: none"><li>1. All switchable capacitors are out of service.</li><li>2. All reactors are in service.</li><li>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.</li><li>4. All SVCs are absorbing reactive power.</li><li>5. Generation Owners shall operate generators at the lower bandwidth of their voltage schedule when possible.</li><li>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.</li></ol> <p>Target: Distribution Companies/Transmission Owners/Generation</p>	RTO

**Hot Weather Alert (1 Event)**

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
05.22.2024 09:00	05.22.2024 23:00	A Hot Weather Alert has been issued from 09:00 on 05.22.2024 through 23:00 on 05.22.2024 Per M-13, members are expected to perform:	MIDATL

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		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.	
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**May 2024 Operations**

**Synchronized Reserve (0 Event(s))**

**Conservative Operations (0 Event(s))**

**Cold Weather Alert (0 Event(s))**

**Cold Weather Advisory (0 Event(s))**

**TLR (0 Event(s))**

**Special Notices (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))**