

System Operations Subcommittee

PJM Operations Summary

September 2022 Operations

September Events:

2 Synchronized Reserve Event

10 PCLLRW Events

3 Non-Market PCLLRW

1 Hot Weather Alert Event

1 Geomagnetic Disturbance Warning

CPS1: 138.72% CPS2: 86.09% 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.

Synchronized Reserve (2 Event)

| Effective Start Time | Effective End Time | Message | Region |
|-----------------------------|---------------------------|--|---------------|
| 09.29.2022 10:25 | 09.29.2022 10:31 | 100% Synchronized Reserve Event has been initiated for the PJM_RTO region. | PJM-RTO |
| 09.26.2022 03:39 | 09.26.2022 03:45 | 100% Synchronized Reserve Event has been initiated for the PJM_RTO region. | PJM-RTO |

PCLLRW (10 Events)

| Effective Start Time | Effective End Time | Message | Region |
|-----------------------------|---------------------------|---|---------------|
| 09.21.2022 14:30 | 09.22.2022 05:33 | A Post Contingency Local Load Relief Warning has been issued to maintain NICKEL 138 KV *E07 at 121.4 KV in the DEOK for Transmission Contingency Control. Additional Comments: Post Contingency Switching available | DEOK |
| 09.20.2022 17:03 | 09.23.2022 14:06 | A Post Contingency Local Load Relief Warning has been issued to maintain NWASHNTN 69 KV *H02 at 63.5 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available | AEP |
| 09.20.2022 14:59 | 09.20.2022 19:58 | A Post Contingency Local Load Relief Warning has been issued to maintain BRAMBLET-EVRGREEN 2172B at 1059.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available | DOM |
| 09.17.2022 14:04 | 09.17.2022 15:51 | A Post Contingency Local Load Relief Warning has been issued to maintain MILTONSW 138 KV *E06 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available | AEP |
| 09.16.2022 08:19 | 09.16.2022 11:05 | A Post Contingency Local Load Relief Warning has been issued to maintain TYRONEN 115 KV *F04 at 105.8 KV in the FE(PN) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available | FE-PN |
| 09.12.2022 15:17 | 09.12.2022 18:50 | A Post Contingency Local Load Relief Warning has been issued to maintain ELMONT4 TX2 XFORMER at 959.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available | DOM |

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| 09.08.2022 18:29 | 09.08.2022 21:35 | A Post Contingency Local Load Relief Warning has been issued to maintain BELLEFON 138 KV *E02 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available | AEP |
| 09.02.2022 19:29 | 09.03.2022 02:31 | A Post Contingency Local Load Relief Warning has been issued to maintain FARMVILL TX5 XFORMER at 203.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Post Contingency Switching available | DOM |
| 09.01.2022 17:32 | 09.02.2022 15:07 | A Post Contingency Local Load Relief Warning has been issued to maintain BELLEFON 138 KV *E02 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available | AEP |
| 09.01.2022 16:52 | 09.02.2022 15:07 | A Post Contingency Local Load Relief Warning has been issued to maintain DOGWOODR 138 KV BB_8030 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available | AEP |

Non-Market PCLLRW (3 Events)

| Effective Start Time | Effective End Time | Message | Region |
|-----------------------------|---------------------------|---|---------------|
| 09.29.2022 18:05 | 09.29.2022 18:15 | A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain GRAYSBRA-ARGNT_EK TIE at 47.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: BES 2 Facility | AEP EKPC |
| 09.12.2022 13:43 | 09.13.2022 09:43 | A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain ROANELST 138 KV BB_6457 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available | AEP |
| 09.01.2022 10:59 | 09.01.2022 11:13 | A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain 131 W CHICA 38TR79 : 20 at 127.0 KV in the COMED for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available | COMED |

Hot Weather Alert (1 Events)

| Effective Start Time | Effective End Time | Message | Region |
|-----------------------------|---------------------------|--|--------------------|
| 09.19.2022 07:00 | 09.19.2022 23:00 | A Hot Weather Alert has been issued from 07:00 on 09.19.2022 through 23:00 on 09.19.2022 | MIDATL SOUTHERN |

Geomagnetic Disturbance (1 Events)

| Effective Start Time | Effective End Time | Message | Region |
|-----------------------------|---------------------------|--|---------------|
| 09.26.2022 22:54 | 09.27.2022 05:00 | A Geomagnetic Disturbance Warning has been issued for 22:54 on 09.26.2022 through 05:00 on 09.27.2022. A GMD warning of K-7 or greater is in effect for this period. | PJM-RTO |

Voltage Reduction Warning (0 Event(s))

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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))

Non-Market PCLLRW (0 Event(s))

Local Min Generation Event (0 Event(s))

Conservative Operations (0 Event(s))

Cold Weather Alert (0 Event(s))

High System Voltage (0 Event(s))

Hot Weather Alert (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))