

## System Operations Subcommittee

### PJM Operations Summary

#### December 2025 Operations

##### **December Events:**

**3 Shared Reserve Events**

**4 Synchronized Reserve Events**

**28 PCLLRW Events**

**1 Geomagnetic Disturbance Warning**

**2 Non-Market Post Contingency Local Load Relief Warning**

**1 Special Notice**

**1 High System Voltage Event**

**3 Cold Weather Alert**

**As of December 29, 2025 at 23:59**

**CPS1: 129.21% CPS2: 83.22% BAAL: 99.88%**

<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 (3 Events)**

| <b>Effective Start Time</b> | <b>Effective End Time</b> | <b>Message</b>   | <b>Region</b>  |
|-----------------------------|---------------------------|--|----------------|
| 12.06.2025 05:11            | 12.06.2025 05:17          | 667 MW with NYISO - Gavin 1                            | PJM-RTO        |
| 12.09.2025 02:41            | 12.09.2025 03:00          | -75 MW with NYISO - Bowline Trip (557 MW) - Regulation | NYISO, PJM-RTO |
| 12.16.2025 11:41            | 12.16.2025 12:10          | -142 MW with NYISO - Darlington 950 MW - Regulation    | PJM-RTO        |

##### **Synchronized Reserve (4 Events)**

| <b>Effective Start Time</b> | <b>Effective End Time</b> | <b>Message</b>   | <b>Region</b> |
|-----------------------------|---------------------------|--|---------------|
| 12.05.2025 19:30            | 12.05.2025 19:35          | 100% Synchronized Reserve Event has been initiated for the PJM_RTO region. | PJM-RTO       |
| 12.05.2025 19:30            | 12.05.2025 19:30          | 100% Synchronized Reserve Event has been initiated for the PJM_RTO region. | PJM-RTO       |
| 12.06.2025 05:05            | 12.06.2025 05:13          | 100% Synchronized Reserve Event has been initiated for the PJM_RTO region. | PJM-RTO       |
| 12.28.2025 17:07            | 12.28.2025 17:16          | 100% Synchronized Reserve Event has been initiated for the PJM_RTO region. | PJM-RTO       |

##### **PCLLRW (28 Events)**

| <b>Effective Start Time</b> | <b>Effective End Time</b> | <b>Message</b>   | <b>Region</b> |
|-----------------------------|---------------------------|--|---------------|
| 11.07.2025 07:49            | 12.12.2025 17:06          | A Post Contingency Local Load Relief Warning has been issued to maintain PADFORK 138 KV BB_4215 at 127.0 KV in the AEP for Transmission Contingency Control. | AEP           |

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|                     |                     | Additional Comments: Load -No Generation or Switching available   |       |
| 11.10.2025<br>11:50 | 12.23.2025<br>05:05 | A Post Contingency Local Load Relief Warning has been issued to maintain KENNA 138 KV *E04 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available             | AEP   |
| 11.10.2025<br>12:05 | 12.21.2025<br>06:50 | A Post Contingency Local Load Relief Warning has been issued to maintain SLUCASVI 138 KV BB_8873 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available | AEP   |
| 11.17.2025<br>07:49 | 12.05.2025<br>18:35 | A Post Contingency Local Load Relief Warning has been issued to maintain ANTHONY 138 KV BB_18780 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available | AEP   |
| 12.03.2025<br>07:11 | 12.03.2025<br>14:15 | A Post Contingency Local Load Relief Warning has been issued to maintain HARDY 138 KV *E01 at 127.0 KV in the FE(APS) for Transmission Contingency Control. Additional Comments: Post Contingency Switching available         | FE-AP |
| 12.04.2025<br>07:14 | 12.04.2025<br>14:04 | A Post Contingency Local Load Relief Warning has been issued to maintain DANVILLE 138 KV BB_5405 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available       | AEP   |
| 12.04.2025<br>09:07 | 12.04.2025<br>10:58 | A Post Contingency Local Load Relief Warning has been issued to maintain HARDY 138 KV *E01 at 127.0 KV in the FE(APS) for Transmission Contingency Control. Additional Comments: Post Contingency Switching available         | FE-AP |
| 12.04.2025<br>23:23 | 12.06.2025<br>04:22 | A Post Contingency Local Load Relief Warning has been issued to maintain LENOX-NMESHOPP NML 1090 at 189.0 MVA in the FE(PN) for Transmission Contingency Control. Additional Comments: Post Contingency Switching available   | FE-PN |
| 12.05.2025<br>08:45 | 12.06.2025<br>06:28 | A Post Contingency Local Load Relief Warning has been issued to maintain HARDY 138 KV *E01 at 127.0 KV in the FE(APS) for Transmission Contingency Control. Additional Comments: Post Contingency Switching available         | FE-AP |
| 12.05.2025<br>17:31 | 12.05.2025<br>19:52 | A Post Contingency Local Load Relief Warning has been issued to maintain SIEGFRIE 4 XFORMER at 544.0 MVA in the PL for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available      | PPL   |
| 12.08.2025<br>17:21 | 12.08.2025<br>23:29 | A Post Contingency Local Load Relief Warning has been issued to maintain CHERITON 69 KV *G02 at 65.0 KV in the DPL for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available      | DPL   |
| 12.08.2025<br>17:26 | 12.09.2025<br>08:52 | A Post Contingency Local Load Relief Warning has been issued to maintain WESCOSEVI 3 XFORMER at 537.0 MVA   | PPL   |

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|                     |                     | in the PL for Transmission Contingency Control. Additional Comments: Post Contingency Switching available  |         |
| 12.09.2025<br>06:05 | 12.09.2025<br>09:26 | A Post Contingency Local Load Relief Warning has been issued to maintain EWYNESB-RINGGOLD RWA1 at 245.0 MVA in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available   | FE-AP   |
| 12.09.2025<br>06:51 | 12.09.2025<br>08:00 | A Post Contingency Local Load Relief Warning has been issued to maintain HARDY 138 KV *E01 at 127.0 KV in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available        | FE-AP   |
| 12.09.2025<br>07:08 | 12.09.2025<br>09:56 | A Post Contingency Local Load Relief Warning has been issued to maintain LANHAM 115 KV *G03 at 105.8 KV in the PEPCO for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available         | PEPCO   |
| 12.09.2025<br>11:01 | 12.09.2025<br>13:43 | A Post Contingency Local Load Relief Warning has been issued to maintain CLARION 138 KV *E06 at 127.0 KV in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available      | FE-AP   |
| 12.09.2025<br>11:20 | 12.09.2025<br>16:32 | A Post Contingency Local Load Relief Warning has been issued to maintain PIDGEON 138 KV BB_30553 at 127.0 KV in the FE(ATSI) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available | FE-ATSI |
| 12.09.2025<br>13:47 | 12.09.2025<br>16:04 | A Post Contingency Local Load Relief Warning has been issued to maintain CLARION 138 KV *E06 at 127.0 KV in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available      | FE-AP   |
| 12.10.2025<br>07:39 | 12.10.2025<br>10:48 | A Post Contingency Local Load Relief Warning has been issued to maintain PIDGEON 138 KV BB_30553 at 127.0 KV in the FE(ATSI) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available | FE-ATSI |
| 12.14.2025<br>17:05 | 12.16.2025<br>17:00 | A Post Contingency Local Load Relief Warning has been issued to maintain EWYNESB-RINGGOLD RWA1 at 229.0 MVA in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available   | FE-AP   |
| 12.14.2025<br>17:06 | 12.16.2025<br>17:00 | A Post Contingency Local Load Relief Warning has been issued to maintain EWYNESB-RINGGOLD RWA1 at 245.0 MVA in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available   | FE-AP   |
| 12.15.2025<br>04:45 | 12.21.2025<br>06:49 | A Post Contingency Local Load Relief Warning has been issued to maintain ABINGDON 138 KV BB_2760 at 127.0  | AEP     |

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|                  |                  | KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available  |       |
| 12.15.2025 04:46 | 12.21.2025 06:49 | 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   |
| 12.15.2025 07:24 | 12.15.2025 07:58 | A Post Contingency Local Load Relief Warning has been issued to maintain FTPICKET 115 KV D at 105.0 KV in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available        | DOM   |
| 12.15.2025 07:47 | 12.15.2025 08:00 | A Post Contingency Local Load Relief Warning has been issued to maintain CEDARCRE-SILVERUN 23030 at 921.0 MVA in the SRE for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available | DPL   |
| 12.16.2025 06:19 | 12.16.2025 06:41 | A Post Contingency Local Load Relief Warning has been issued to maintain RINGGOLD T4 XFORMER at 248.0 MVA in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available | FE-AP |
| 12.16.2025 06:41 | 12.16.2025 17:01 | A Post Contingency Local Load Relief Warning has been issued to maintain RINGGOLD T4 XFORMER at 248.0 MVA in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available | FE-AP |
| 12.16.2025 07:03 | 12.16.2025 17:01 | 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 |

#### Geomagnetic Disturbance Warning (1 Event)

| <b>Effective Start Time</b> | <b>Effective End Time</b> | <b>Message</b>   | <b>Region</b> |
|-----------------------------|---------------------------|--|---------------|
| 12.03.2025 15:25            | 12.03.2025 18:59          | A Geomagnetic Disturbance Warning has been issued for 15:25 on 12.03.2025 through 18:59 on 12.03.2025 . A GMD warning of K7 or greater is in effect for this period. | PJM-RTO       |

#### Non-Market Post Contingency Local Load Relief Warning (2 Events)

| <b>Effective Start Time</b> | <b>Effective End Time</b> | <b>Message</b>   | <b>Region</b> |
|-----------------------------|---------------------------|--|---------------|
| 12.15.2025 06:08            | 12.17.2025 00:26          | A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain GOLDBUG 69 KV ND_182 at 63.5 KV in the EKPC for Transmission Contingency Control. Additional Comments: BES 2 Facility | EKPC          |

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|---------------------|---------------------|---|------|
| 12.15.2025<br>07:10 | 12.17.2025<br>00:25 | A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain CYNTHASW-RENAKER TIE at 57.0 MVA in the EKPC for Transmission Contingency Control. Additional Comments: BES 2 Facility | EKPC |
|---------------------|---------------------|---|------|

#### Special Notices (1 Event)

| Effective Start Time | Effective End Time  | Message                        | Region  |
|----------------------|---------------------|--------------------------------|---------|
| 12.05.2025<br>14:00  | 12.05.2025<br>14:45 | A Special Notice: Phone Outage | PJM-RTO |

#### High System Voltage (1 Event)

| Effective Start Time | Effective End Time  | Message   | Region  |
|----------------------|---------------------|---|---------|
| 12.25.2025<br>01:30  | 12.25.2025<br>11:30 | A High System Voltage Action has been issued; all companies shall take the following actions on the Bulk Electric System: 1. All switchable capacitors are out of service. 2. All reactors are in service. 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. 4. All SVCs are absorbing reactive power. 5. Generation Owners shall operate generators at the lower bandwidth of their voltage schedule when possible. 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. Target: Distribution Companies/Transmission Owners/Generation | WESTERN |

#### Cold Weather Alert (3 Events)

| Effective Start Time | Effective End Time  | Message   | Region |
|----------------------|---------------------|---|--------|
| 12.11.2025<br>12:34  | 12.13.2025<br>23:59 | A Cold Weather Alert has been issued from 00:00 on 12.13.2025 through 23:59 on 12.13.2025 Per M-13, members are expected to perform the following:<br>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 | COMED  |

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|---------------------|---------------------|--|---------|
|                     |                     | <p>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 &amp; will not affect the Planned Outage est. end date. -Dual fuel units, confirm equipment is functional &amp; amount of alternate fuel available. -Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4.</p>  |         |
| 12.11.2025<br>12:39 | 12.14.2025<br>23:59 | <p>A Cold Weather Alert has been issued from 00:00 on 12.14.2025 through 23:59 on 12.14.2025 Per M-13, members are expected to perform the following:</p> <p>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 &amp; update unit parameters in Markets Gateway (MG) through the Cold Weather Alert period paying particular attention to accurate Start-up &amp; Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max. -Submit alternate fuel capability &amp; resource limitations via MG. -Review fuel supply/delivery schedules for greater than normal operation of units.</p> <p>-Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated in eDART &amp; will not affect the Planned Outage est. end date. -Dual fuel units, confirm equipment is functional &amp; amount of alternate fuel available. -Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4.</p> | WESTERN |
| 12.11.2025<br>12:46 | 12.15.2025<br>23:59 | <p>A Cold Weather Alert has been issued from 00:00 on 12.15.2025 through 23:59 on 12.15.2025 Per M-13, members are expected to perform the following:</p> <p>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 &amp; update unit parameters in Markets Gateway (MG) through the Cold Weather Alert period paying particular attention to accurate Start-up &amp; Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max. -Submit alternate fuel capability &amp; resource limitations via MG. -Review fuel supply/delivery schedules for greater than normal operation of units.</p> <p>-Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated in eDART &amp; will not affect the Planned Outage est. end date. -Dual fuel units, confirm equipment is functional &amp; amount of alternate fuel available. -Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4.</p> | WESTERN |

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