

## System Operations Subcommittee

### PJM Operations Summary

#### June 2024 Operations

#### June Events:

**3 Shared Reserve Events**

**10 PCLLRW Events**

**7 Hot Weather Alert Events**

**2 Synchronized Reserve Events**

**1 Geomagnetic Disturbance Warning Event**

**CPS1: 132.98% CPS2: 79.79% BAAL: 99.90%**

<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> |
|-----------------------------|---------------------------|---|---------------|
| 06.18.2024<br>22:07         | 06.18.2024<br>22:22       | PJM provided 139 MW of NPCC Shared Reserves | NPCC          |
| 06.18.2024<br>17:25         | 06.18.2024<br>17:40       | PJM provided 77 MW of NPCC Shared Reserves  | NPCC          |
| 06.03.2024<br>18:56         | 06.03.2024<br>19:35       | PJM received 65 MW of NPCC Shared Reserves  | NPCC          |

#### PCLLRW (10 Events)

| <b>Effective Start Time</b> | <b>Effective End Time</b> | <b>Message</b>   | <b>Region</b> |
|-----------------------------|---------------------------|--|---------------|
| 06.29.2024<br>19:05         | 06.29.2024<br>22:45       | A Post Contingency Local Load Relief Warning has been issued to maintain PRESTON-TANYARD 6716-5 at 93.0 MVA in the DPL for Transmission Contingency Control.<br>Additional Comments: Load -No Generation or Switching available  | DPL           |
| 06.27.2024<br>19:40         | 06.27.2024<br>21:20       | A Post Contingency Local Load Relief Warning has been issued to maintain PRESTON-TANYARD 6716-5 at 93.0 MVA in the DPL for Transmission Contingency Control.<br>Additional Comments: Load -No Generation or Switching available  | DPL           |
| 06.24.2024<br>09:19         | 06.24.2024<br>09:25       | A Post Contingency Local Load Relief Warning has been issued to maintain MOTTVILL 138 KV BB_199 at 127.0 KV in the AEP for Transmission Contingency Control.<br>Additional Comments: Post Contingency Switching available        | AEP           |
| 06.20.2024<br>15:04         | 06.20.2024<br>17:02       | A Post Contingency Local Load Relief Warning has been issued to maintain EAKRON-HAYELMRZ EAK-HAY at 229.0 MVA in the FE(ATSI) for Transmission Contingency Control.<br>Additional Comments: Post Contingency Switching available | FE-ATSI       |

**System Operations Subcommittee**

**PJM Operations Summary**

**June 2024 Operations**

|                     |                     |  |       |
|---------------------|---------------------|--|-------|
| 06.19.2024<br>16:52 | 06.20.2024<br>17:04 | A Post Contingency Local Load Relief Warning has been issued to maintain SBUFFALO 138 KV *E01 at 127.0 KV in the AEP for Transmission Contingency Control.<br>Additional Comments: Post Contingency Switching available              | AEP   |
| 06.19.2024<br>14:43 | 06.19.2024<br>14:49 | A Post Contingency Local Load Relief Warning has been issued to maintain REFORM -NNEWARK NNE-REF at 240.0 MVA in the AEP for Transmission Contingency Control.<br>Additional Comments: Generation - slow response                    | AEP   |
| 06.19.2024<br>13:57 | 06.19.2024<br>15:28 | A Post Contingency Local Load Relief Warning has been issued to maintain LENOX-NMESHOPP NML 1090 at 148.0 MVA in the FE(PN) for Transmission Contingency Control.<br>Additional Comments: Load -No Generation or Switching available | FE-PN |
| 06.18.2024<br>14:19 | 06.18.2024<br>14:31 | A Post Contingency Local Load Relief Warning has been issued to maintain NDELPHOS-SDELPHOS NDE-SDE at 54.0 MVA in the AEP for Transmission Contingency Control.<br>Additional Comments: Post Contingency Switching available         | AEP   |
| 06.17.2024<br>15:13 | 06.28.2024<br>15:46 | 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.<br>Additional Comments: Load -No Generation or Switching available    | FE-AP |
| 06.17.2024<br>06:13 | 06.17.2024<br>06:18 | A Post Contingency Local Load Relief Warning has been issued to maintain MOTTVILL 138 KV BB_199 at 127.0 KV in the AEP for Transmission Contingency Control.<br>Additional Comments: Post Contingency Switching available            | AEP   |

**Hot Weather Alert (7 Events)**

| <b>Effective Start Time</b> | <b>Effective End Time</b> | <b>Message</b>  | <b>Region</b>       |
|-----------------------------|---------------------------|---|---------------------|
| 06.26.2024<br>07:00         | 06.26.2024<br>23:00       | A Hot Weather Alert has been issued from 07:00 on 06.26.2024 through 23:00 on 06.26.2024 Per M-13, members are expected to perform:<br><br>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. | MIDATL,<br>SOUTHERN |
| 06.25.2024<br>07:00         | 06.25.2024<br>23:00       | A Hot Weather Alert has been issued from 07:00 on 06.25.2024 through 23:00 on 06.25.2024 Per M-13, members are expected to perform:<br><br>TRANSMISSION/GEN DISPATCH review plans to determine if any maintenance/testing, scheduled/being performed, on any  | RTO                 |

**System Operations Subcommittee**

**PJM Operations Summary**

**June 2024 Operations**

|                     |                     |  |                     |
|---------------------|---------------------|--|---------------------|
|                     |                     | monitoring, control, transmission/generating equipment can be deferred/canceled.   |                     |
| 06.24.2024<br>07:00 | 06.24.2024<br>23:00 | <p>A Hot Weather Alert has been issued from 07:00 on 06.24.2024 through 23:00 on 06.24.2024 Per M-13, members are expected to perform:</p> <p>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.</p> | SOUTHERN,<br>MIDATL |
| 06.17.2024<br>07:00 | 06.23.2024<br>22:56 | <p>A Hot Weather Alert has been issued from 07:00 on 06.17.2024 through 22:56 on 06.23.2024 Per M-13, members are expected to perform:</p> <p>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.</p> | RTO                 |
| 06.16.2024<br>07:00 | 06.16.2024<br>23:00 | <p>A Hot Weather Alert has been issued from 07:00 on 06.16.2024 through 23:00 on 06.16.2024 Per M-13, members are expected to perform:</p> <p>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.</p> | WESTERN             |
| 06.14.2024<br>07:00 | 06.14.2024<br>23:03 | <p>A Hot Weather Alert has been issued from 07:00 on 06.14.2024 through 23:03 on 06.14.2024 Per M-13, members are expected to perform:</p> <p>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.</p> | MIDATL,<br>SOUTHERN |
| 06.13.2024<br>07:00 | 06.13.2024<br>23:00 | <p>A Hot Weather Alert has been issued from 07:00 on 06.13.2024 through 23:00 on 06.13.2024 Per M-13, members are expected to perform:</p> <p>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.</p> | RTO                 |

**System Operations Subcommittee**

**PJM Operations Summary**

**June 2024 Operations**

**Synchronized Reserve (2 Events)**

| <b>Effective Start Time</b> | <b>Effective End Time</b> | <b>Message</b>   | <b>Region</b> |
|-----------------------------|---------------------------|--|---------------|
| 06.29.2024<br>21:03         | 06.29.2024<br>21:09       | 100% Synchronized Reserve Event has been initiated for the PJM_RTO region. | RTO           |
| 06.03.2024<br>18:53         | 06.03.2024<br>19:02       | 100% Synchronized Reserve Event has been initiated for the PJM_RTO region. | RTO           |

**Geomagnetic Disturbance Warning (1 Event)**

| <b>Effective Start Time</b> | <b>Effective End Time</b> | <b>Message</b>   | <b>Region</b> |
|-----------------------------|---------------------------|--|---------------|
| 06.28.2024<br>09:25         | 06.28.2024<br>17:00       | A Geomagnetic Disturbance Warning has been issued for 09:25 on 06.28.2024 through 17:00 on 06.28.2024 . A GMD warning of K7 or greater is in effect for this period. | RTO           |

**System Operations Subcommittee**

**PJM Operations Summary**

**June 2024 Operations**

**Non-Market PCLLRW Events (0 Event(s))**  
**High System Voltage (0 Event(s))**  
**Geomagnetic Disturbance Action (0 Event(s))**  
**Non-Market PCLLRW (0 Event(s))**  
**Conservative Operations (0 Event(s))**  
**Cold Weather Alert (0 Event(s))**  
**Cold Weather Advisory (0 Event(s))**  
**TLR (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))**