

## System Operations Subcommittee

### PJM Operations Summary

#### July 2024 Operations

#### July Events:

**8 Shared Reserve Events**

**20 PCLLRW Events**

**1 Non-Market PCLLRW Event**

**8 Hot Weather Alert Events**

**3 Synchronized Reserve Events**

**1 Maintenance Outage Recall Event**

**CPS1: 137.48% CPS2: 83.09% BAAL: 99.87%**

<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 (8 Events)

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
07.25.2024 22:52	07.25.2024 23:10	PJM provided 67 MW of NPCC Shared Reserves	NPCC
07.14.2024 18:53	07.14.2024 19:08	PJM provided 133 MW of NPCC Shared Reserves	NPCC
07.14.2024 12:54	07.14.2024 13:10	PJM provided 72 MW of NPCC Shared Reserves	NPCC
07.13.2024 08:26	07.13.2024 08:40	PJM provided 133 MW of NPCC Shared Reserves	NPCC
07.11.2024 21:27	07.11.2024 21:38	PJM provided 71 MW of NPCC Shared Reserves	NPCC
07.08.2024 17:58	07.08.2024 18:09	PJM received 50 MW of NPCC Shared Reserves	NPCC
07.08.2024 15:32	07.08.2024 16:02	PJM provided 147 MW of NPCC Shared Reserves	NPCC
07.03.2024 23:14	07.03.2024 23:25	PJM provided 133 MW of NPCC Shared Reserves	NPCC

#### PCLLRW (20 Events)

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
07.31.2024 17:39	08.01.2024 02:21	A Post Contingency Local Load Relief Warning has been issued to maintain HEATH-WMILLERS at 205.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
07.23.2024 15:46	07.24.2024 15:00	A Post Contingency Local Load Relief Warning has been issued to maintain PURSLEY 138 KV *E03 at 127.0 KV in the FE(APS) for	FE-AP

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		Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	
07.17.2024 14:57	07.17.2024 16:04	A Post Contingency Local Load Relief Warning has been issued to maintain MARDELA-VIENNA 6708-1 at 64.0 MVA in the DPL for Transmission Contingency Control. Additional Comments: Generation - slow response	DPL
07.17.2024 11:19	07.17.2024 11:46	A Post Contingency Local Load Relief Warning has been issued to maintain HARTFORD 138 KV *E01 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
07.17.2024 11:01	07.19.2024 16:25	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
07.16.2024 17:57		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
07.16.2024 17:42	07.16.2024 17:55	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: Load -No Generation or Switching available	FE-AP
07.16.2024 17:22	07.16.2024 17:40	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
07.16.2024 17:17	07.16.2024 20:14	A Post Contingency Local Load Relief Warning has been issued to maintain PLEASNTV L3T203 CB at 1333.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
07.16.2024 17:06	07.16.2024 17:16	A Post Contingency Local Load Relief Warning has been issued to maintain PLEASNTV L3T203 CB at 1333.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
07.16.2024 17:05	07.16.2024 21:29	A Post Contingency Local Load Relief Warning has been issued to maintain BARTONVI-MEADOWBR MSW1 at 311.0 MVA in the FE(APS) for Transmission Contingency Control.	FE-AP

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		Additional Comments: Load -No Generation or Switching available	
07.16.2024 16:47	07.16.2024 21:44	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
07.16.2024 16:21	07.16.2024 21:30	A Post Contingency Local Load Relief Warning has been issued to maintain BEDINGTO-OPEQUON BOPE at 246.0 MVA in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	FE-AP
07.16.2024 15:50	07.17.2024 16:06	A Post Contingency Local Load Relief Warning has been issued to maintain WKINGSPO 138 KV BB_3519 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
07.16.2024 14:30	07.16.2024 14:35	A Post Contingency Local Load Relief Warning has been issued to maintain COREY-MOTTVILL at 192.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
07.16.2024 13:36	07.16.2024 15:37	A Post Contingency Local Load Relief Warning has been issued to maintain MILTON 69 KV *G06 at 61.6 KV in the PL for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	PPL
07.13.2024 15:34	07.16.2024 17:20	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
07.10.2024 14:34	07.11.2024 04:34	A Post Contingency Local Load Relief Warning has been issued to maintain PIERPONT 138 KV 138-N at 127.0 KV in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	FE-AP
07.10.2024 13:53	07.10.2024 14:05	A Post Contingency Local Load Relief Warning has been issued to maintain LOCKHAVE 69 KV *G09 at 61.6 KV in the PL for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	PPL
07.05.2024 13:23	07.11.2024 04:34	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.	FE-AP

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		Additional Comments: Load -No Generation or Switching available	
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**Non-Market PCLLRW Events (1 Event)**

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
07.16.2024 19:58	07.16.2024 21:12	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain KENDLGRV 69 KV *G05 at 65.0 KV in the DPL for Transmission Contingency Control. Additional Comments: BES 2 Facility	DPL

**Hot Weather Alert (7 Events)**

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
07.31.2024 07:00	08.01.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 07.31.2024 through 23:00 on 08.01.2024 Per M-13, members are expected to perform:  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, SOUTHERN
07.17.2024 07:00	07.17.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 07.17.2024 through 23:00 on 07.17.2024 Per M-13, members are expected to perform:  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.	SOUTHERN, MIDATL
07.16.2024 07:00	07.16.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 07.16.2024 through 23:00 on 07.16.2024 Per M-13, members are expected to perform:  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.	RTO
07.15.2024 07:00	07.15.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 07.15.2024 through 23:00 on 07.15.2024 Per M-13, members are expected to perform:  TRANSMISSION/GEN DISPATCH review plans to determine if any maintenance/testing, scheduled/being performed, on any	RTO

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		monitoring, control, transmission/generating equipment can be deferred/canceled.	
07.14.2024 07:00	07.14.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 07.14.2024 through 23:00 on 07.14.2024 Per M-13, members are expected to perform:  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.	RTO
07.10.2024 07:00	07.10.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 07.10.2024 through 23:00 on 07.10.2024 Per M-13, members are expected to perform:  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, SOUTHERN
07.09.2024 07:00	07.09.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 07.09.2024 through 23:00 on 07.09.2024 Per M-13, members are expected to perform:  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, SOUTHERN
07.08.2024 07:00	07.08.2024 23:00	A Hot Weather Alert has been issued from 07:00 on 07.08.2024 through 23:00 on 07.08.2024 Per M-13, members are expected to perform:  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.	RTO

**Synchronized Reserve (3 Events)**

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
07.21.2024 17:53	07.21.2024 18:03	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO
07.18.2024 15:25	07.18.2024 15:32	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO
07.08.2024 17:57	07.08.2024 18:11	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	RTO

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**Maintenance Outage Recall (1 Event)**

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
07.11.2024 12:41	07.17.2024 23:00	A Maintenance Outage Recall Informational message has been issued. PJM is recalling all active generator maintenance outage tickets within the identified Regions. Member companies have 72 hours to end maintenance outages or the outages will become forced outages. Additional Comments: Member companies have until Monday 7/15 at 1200 EPT to end maintenance outages. The Monday 7/15 at 1200 EPT supersedes the 72 hours.	RTO

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**High System Voltage (0 Event(s))**  
**Geomagnetic Disturbance Warning (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))**  
**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))**