

## System Operations Subcommittee

### PJM Operations Summary

#### July 2023 Operations

#### July Events:

**8 Shared Reserve Events**

**19 PCLLRW Events**

**2 Non-Market PCLLRW Events**

**10 Hot Weather Alert Events**

**2 Maximum Generation Emergency/Load Management Alert Events**

**1 Maintenance Outage Recall Event**

**1 Unit Startup Notification Alert Event**

**CPS1: 131.98% CPS2: 80.73% 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 (8 Events)

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
07.30.2023 15:29	07.30.2023 15:53	PJM provided 192 MW of NPCC Shared Reserves	NPCC
07.27.2023 18:40	07.27.2023 18:55	PJM provided 97 MW of NPCC Shared Reserves	NPCC
07.25.2023 23:43	07.26.2023 00:10	PJM provided 141 MW of NPCC Shared Reserves	NPCC
07.25.2023 04:13	07.25.2023 04:40	PJM provided 141 MW of NPCC Shared Reserves	NPCC
07.15.2023 14:13	07.15.2023 14:25	PJM provided 88 MW of NPCC Shared Reserves	NPCC
07.14.2023 11:55	07.14.2023 12:06	PJM provided 92 MW of NPCC Shared Reserves	NPCC
07.05.2023 18:19	07.05.2023 18:48	PJM provided 83 MW of NPCC Shared Reserves	NPCC
07.04.2023 15:39	07.04.2023 16:08	PJM provided 100 MW of NPCC Shared Reserves	NPCC

#### PCLLRW (19 Events)

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
07.28.2023 15:16	07.28.2023 20:51	A Post Contingency Local Load Relief Warning has been issued to maintain ROBINS 138 KV *F1C at 130.0 KV in the DPL for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available	DPL
07.27.2023 18:40	07.28.2023 01:05	A Post Contingency Local Load Relief Warning has been issued to maintain CARL PN-GARDNERS 1049 at 108.0 MVA in the FE(ME) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	FE-ME FE-PN
07.27.2023 17:11	07.28.2023 13:40	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

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07.27.2023 13:21	07.31.2023 22:47	A Post Contingency Local Load Relief Warning has been issued to maintain ADAMSIM 138 KV *E04 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available	AEP
07.26.2023 13:38	07.26.2023 18:41	A Post Contingency Local Load Relief Warning has been issued to maintain 15518 -132 GARD 15518 2 at 183.0 MVA in the COMED for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	COMED
07.19.2023 12:39	07.19.2023 15:04	A Post Contingency Local Load Relief Warning has been issued to maintain ADAMSIM 138 KV *E04 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available	AEP
07.18.2023 15:11	07.18.2023 22:39	A Post Contingency Local Load Relief Warning has been issued to maintain HARINGSC-PEARLRIV TIE at 27.0 MVA in the RECO for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	RECO
07.18.2023 13:53	07.18.2023 15:10	A Post Contingency Local Load Relief Warning has been issued to maintain HARINGSC-PEARLRIV TIE at 27.0 MVA in the RECO for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	RECO
07.15.2023 16:09	07.16.2023 21:35	A Post Contingency Local Load Relief Warning has been issued to maintain CHURCH-MASSEYRE 6727-1 at 64.0 MVA in the DPL for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DPL
07.14.2023 14:12	07.14.2023 14:19	A Post Contingency Local Load Relief Warning has been issued to maintain ENON 138 KV *E08 at 127.0 KV in the FE(APS) for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available	FE-AP
07.13.2023 18:53	07.14.2023 01:34	A Post Contingency Local Load Relief Warning has been issued to maintain CHURCH-MASSEYRE 6727-1 at 64.0 MVA in the DPL for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DPL
07.13.2023 17:46	07.13.2023 17:59	A Post Contingency Local Load Relief Warning has been issued to maintain GARDNERS-TEXSEAST GAR-TEX at 173.0 MVA in the FE(ME) for Transmission Contingency Control. Additional Comments: Generation - slow response	FE-ME FE-PN
07.12.2023 14:33	07.12.2023 15:57	A Post Contingency Local Load Relief Warning has been issued to maintain SAWMILL -DUBLIN SAW-DUB1 at 231.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
07.11.2023 11:14	07.11.2023 21:11	A Post Contingency Local Load Relief Warning has been issued to maintain ADAMSIM 138 KV *E04 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available	AEP
07.07.2023 10:17	07.07.2023 11:03	A Post Contingency Local Load Relief Warning has been issued to maintain DANVILPL 69 KV *G15 at 61.6 KV in the PL for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available	PPL
07.06.2023 13:43	07.07.2023 16:10	A Post Contingency Local Load Relief Warning has been issued to maintain GRABILL-ROBISONP at 262.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available	AEP

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07.05.2023 13:32	07.05.2023 17:25	A Post Contingency Local Load Relief Warning has been issued to maintain SKENTON 138 KV BB_14019 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
07.03.2023 16:15	07.09.2023 04:13	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
07.02.2023 20:25	07.02.2023 23:13	A Post Contingency Local Load Relief Warning has been issued to maintain KERRDAM -KERRDP 193D at 183.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Post Contingency Generation redispatch available	DOM

#### Non-Market PCLLRW (2 Events)

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
07.13.2023 15:40	07.14.2023 09:40	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain BRODHA 69 KV ND_184 at 63.5 KV in the EKPC for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	EKPC
07.02.2023 20:30	07.03.2023 11:29	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain GREENCO 69 KV ND_1811 at 63.5 KV in the EKPC for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	EKPC

#### Hot Weather Alert (10 Events)

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
07.29.2023 07:00	07.29.2023 23:00	A Hot Weather Alert has been issued from 07:00 on 07.29.2023 through 23:00 on 07.29.2023 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
07.28.2023 07:00	07.28.2023 23:00	A Hot Weather Alert has been issued from 07:00 on 07.28.2023 through 23:00 on 07.28.2023 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.	PJM-RTO
07.27.2023 07:00	07.27.2023 23:00	A Hot Weather Alert has been issued from 07:00 on 07.27.2023 through 23:00 on 07.27.2023 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.	PJM-RTO
07.26.2023 07:00	07.26.2023 23:00	A Hot Weather Alert has been issued from 07:00 on 07.26.2023 through 23:00 on 07.26.2023 Per M-13, members are expected to perform: TRANSMISSION/GEN DISPATCH review plans to determine if any maintenance/testing, scheduled/being	PJM-RTO

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		performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.	
07.18.2023 07:00	07.18.2023 22:59	A Hot Weather Alert has been issued from 07:00 on 07.18.2023 through 22:59 on 07.18.2023 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
07.17.2023 07:00	07.17.2023 23:00	A Hot Weather Alert has been issued from 07:00 on 07.17.2023 through 23:00 on 07.17.2023 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
07.13.2023 07:00	07.13.2023 23:00	A Hot Weather Alert has been issued from 07:00 on 07.13.2023 through 23:00 on 07.13.2023 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
07.12.2023 07:00	07.12.2023 23:00	A Hot Weather Alert has been issued from 07:00 on 07.12.2023 through 23:00 on 07.12.2023 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
07.06.2023 07:00	07.06.2023 22:50	A Hot Weather Alert has been issued from 07:00 on 07.06.2023 through 22:50 on 07.06.2023 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
07.05.2023 07:00	07.05.2023 22:53	A Hot Weather Alert has been issued from 07:00 on 07.05.2023 through 22:53 on 07.05.2023 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.	PJM-RTO

**Maximum Generation Emergency/Load Management Alert (2 Events)**

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
07.28.2023 00:00	07.28.2023 17:00	A Maximum Generation Emergency/Load Management Alert and an EEA1 have been issued for 07.28.2023 . Maximum Generation Emergency has been called into the operating capacity. Per M-13, Generation Dispatchers should provide PJM with an estimate of the amount of time they need to return to service any generator on a Planned Outage. This 'Early Return Time' should be updated via eDART, and will not affect the Planned Outage estimated end date.	PJM-RTO

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07.27.2023 00:00	07.27.2023 23:59	A Maximum Generation Emergency/Load Management Alert and an EEA1 have been issued for 07.27.2023 . Maximum Generation Emergency has been called into the operating capacity. Per M-13, Generation Dispatchers should provide PJM with an estimate of the amount of time they need to return to service any generator on a Planned Outage. This 'Early Return Time' should be updated via eDART, and will not affect the Planned Outage estimated end date.	PJM-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>
07.23.2023 12:00	07.29.2023 08:07	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.	PJM-RTO

**Unit Startup Notification Alert (1 Event)**

<b>Effective Start Time</b>	<b>Effective End Time</b>	<b>Message</b>	<b>Region</b>
07.26.2023 00:00	07.29.2023 08:07	A Unit Startup Notification Alert has been issued in anticipation and in effect for the operating day 07.26.2023 until event cancellation.	PJM-RTO

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

**High System Voltage (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))**