

System Operations Subcommittee

PJM Operations Summary

April 2022 Operations

April Events:

3 Synchronized Reserve Event

3 Shared Reserve Events

6 PCLLRW Events

1 Non-Market PCLLRW Event

1 High System Voltage Event

1 Geomagnetic Disturbance Event

CPS1: 134.67% CPS2: 87.71% BAAL: 99.82%

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 (3 Event)

Effective Start Time	Effective End Time	Message	Region
04.14.2022 09:30	04.14.2022 09:38	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	PJM-RTO
04.13.2022 17:25	04.13.2022 17:53	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	PJM-RTO
04.06.2022 11:45	04.06.2022 11:55	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	PJM-RTO

Shared Reserve (3 Events)

Effective Start Time	Effective End Time	Message	Region
04.13.2022 17:30	04.13.2022 17:40	PJM received 400 MW of NPCC Shared Reserves	NPCC
04.06.2022 11:50	04.06.2022 12:00	PJM received 521 MW of NPCC Shared Reserves	NPCC
04.05.2022 02:25	04.05.2022 02:40	PJM provided 198 MW of NPCC Shared Reserves	NPCC

PCLLRW (6 Events)

Effective Start Time	Effective End Time	Message	Region
04.24.2022 16:32	04.24.2022 21:45	A Post Contingency Local Load Relief Warning has been issued to maintain IDYLWOO4-CLARK4 202A at 533.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
04.14.2022 12:32	04.14.2022 16:01	A Post Contingency Local Load Relief Warning has been issued to maintain BRAMBLET-EVRGREEN 2172B at 1080.0 MVA in the DOM for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
04.13.2022 17:54	04.13.2022 18:29	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

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04.12.2022 07:36		A Post Contingency Local Load Relief Warning has been issued to maintain KENYON 138 KV *E01 at 127.0 KV in the FE(ATSI) for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available	FE-ATSI
04.11.2022 07:52	04.11.2022 23:23	A Post Contingency Local Load Relief Warning has been issued to maintain KEPLER 138 KV *E06 at 127.0 KV in the FE(ATSI) for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	FE-ATSI
04.10.2022 08:28	04.10.2022 12:51	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: Post Contingency Switching available	AEP

Non-Market PCLLRW (1 Events)

Effective Start Time	Effective End Time	Message	Region
04.19.2022 08:39	04.19.2022 09:51	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain TEXASEAS 138 KV BB_8982 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP

High System Voltage (1 Events)

Effective Start Time	Effective End Time	Message	Region
04.17.2022 00:30	04.18.2022 06:15	A High System Voltage Action has been issued for the Western portion of the PJM RTO.	WESTERN

Geomagnetic Disturbance (6 Events)

Effective Start Time	Effective End Time	Message	Region
04.10.2022 01:10	04.10.2022 05:00	A Geomagnetic Disturbance Warning has been issued for 01:10 on 04.10.2022 through 05:00 on 04.10.2022. A GMD warning of K-7 or greater is in effect for this period.	PJM-RTO

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))

Conservative Operations (0 Event(s))

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Cold Weather Alert (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))