

System Operations Subcommittee

PJM Operations Summary

March 2023 Operations

March Events:

2 Shared Reserve Event

11 PCLLRW Events

6 Non-Market PCLLRW Events

3 Geomagnetic Disturbance Warning

CPS1: 132.82% CPS2: 84.48% BAAL: 99.89%

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.

Shared Reserve (2 Event)

Effective Start Time	Effective End Time	Message	Region
03.28.2023 02:13	03.28.2023 02:42	PJM provided 123 MW of NPCC Shared Reserves	NPCC
03.07.2023 16:44	03.07.2023 17:13	PJM provided 133 MW of NPCC Shared Reserves	NPCC

PCLLRW (11 Events)

Effective Start Time	Effective End Time	Message	Region
03.30.2023 07:23	03.30.2023 21:19	A Post Contingency Local Load Relief Warning has been issued to maintain EBUCKHAN 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
03.27.2023 11:17	03.31.2023 17:25	A Post Contingency Local Load Relief Warning has been issued to maintain MIER 138 KV BB_17947 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available	AEP
03.27.2023 08:46	03.27.2023 08:53	A Post Contingency Local Load Relief Warning has been issued to maintain FLETCHER 138 KV BB_2959 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
03.25.2023 19:45	03.26.2023 18:34	A Post Contingency Local Load Relief Warning has been issued to maintain SALERNO 138 KV *E02 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available	AEP
03.20.2023 07:26	03.20.2023 07:52	A Post Contingency Local Load Relief Warning has been issued to maintain THELMA-BUSSEYVI at 281.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available	AEP
03.14.2023 20:05	03.14.2023 21:36	A Post Contingency Local Load Relief Warning has been issued to maintain O2PAWNEE 138 KV *E02 at 127.0 KV in the FE(ATSI) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	FE-ATSI
03.14.2023 13:00	03.16.2023 15:46	A Post Contingency Local Load Relief Warning has been issued to maintain BUSSEYVI 138 KV BB_2443 at 127.0 KV in the AEP for	AEP

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		Transmission Contingency Control. Additional Comments: Post Contingency Switching available	
03.14.2023 12:37	03.14.2023 12:59	A Post Contingency Local Load Relief Warning has been issued to maintain BUSSEYVI 138 KV BB_2443 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP EKPC
03.13.2023 21:29	03.16.2023 15:46	A Post Contingency Local Load Relief Warning has been issued to maintain OREBANK 138 KV BB_3280 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
03.08.2023 18:42	03.09.2023 11:00	A Post Contingency Local Load Relief Warning has been issued to maintain CLIFFORD 138 KV BB_5287 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
03.07.2023 08:31	03.09.2023 14:07	A Post Contingency Local Load Relief Warning has been issued to maintain FLOYD 138 KV BB_5606 at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available	AEP

Non-Market PCLLRW (6 Events)

Effective Start Time	Effective End Time	Message	Region
03.29.2023 09:26	03.29.2023 14:25	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain HINESVIL-WSHELBY HIN-WSHE at 41.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: AEP see the contingency lower due PJM has inadequate model in the area	AEP
03.20.2023 06:42	03.23.2023 17:29	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain EXPRESSW-PERKINST EXP-PERT at 94.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Generation - slow response	AEP
03.15.2023 08:04	03.15.2023 12:02	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain BLEDSOEE 69 KV ND_182 at 63.5 KV in the EKPC for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	EKPC
03.14.2023 06:31	03.17.2023 18:08	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain EXPRESSW-PERKINST EXP-PERT at 94.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
03.04.2023 09:41	03.06.2023 18:38	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
03.03.2023 17:24	03.05.2023 04:19	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain W_BEREAJ 69 KV ND_183 at 63.5 KV in the EKPC for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	EKPC

Geomagnetic Disturbance (3 Event)

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Effective Start Time	Effective End Time	Message	Region
03.23.2023 18:50	03.24.2023 08:00	A Geomagnetic Disturbance Warning has been issued for 18:50 on 03.23.2023 through 08:00 on 03.24.2023. A GMD warning of K-7 or greater is in effect for this period. Additional Comments: NOAA GMD Extension	PJM-RTO
03.23.2023 11:00	03.23.2023 14:00	A Geomagnetic Disturbance Warning has been issued for 11:00 on 03.23.2023 through 14:00 on 03.23.2023. A GMD warning of K7 or greater is in effect for this period.	PJM-RTO
03.15.2023 00:53	03.15.2023 07:00	A Geomagnetic Disturbance Warning has been issued for 00:53 on 03.15.2023 through 07:00 on 03.15.2023. A GMD warning of K7 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))

Non-Market PCLLRW (0 Event(s))

Local Min Generation Event (0 Event(s))

High System Voltage (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))