

System Operations Subcommittee

PJM Operations Summary

December 2021 Operations

December Events:

- 1 Synchronized Reserve Events
- 2 Shared Reserve Events
- 3 PCLLRW Events
- 2 Non-Market PCLLRW Events
- 2 High System Voltage Events

CPS1: 142.89% CPS2: 88.37% BAAL: 99.87%

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 (1 Event)

Effective Start Time	Effective End Time	Message	Region
12.08.2021 09:04	12.08.2021 09:11	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	PJM-RTO

Shared Reserve (2 Event)

Effective Start Time	Effective End Time	Message	Region
12.23.2021 09:01	12.23.2021 12:13	PJM provided 83 MW of NPCC Shared Reserves	NPCC
12.17.2021 16:32	12.17.2021 17:05	PJM provided 198 MW of NPCC Shared Reserves	NPCC

PCLLRW (3 Events)

Effective Start Time	Effective End Time	Message	Region
12.13.2021 09:38	12.13.2021 09:56	A Post Contingency Local Load Relief Warning has been issued to maintain MILLIRON 138 KV *E02 at 127.0 KV in the FE(ATSI) for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	FE-ATSI
12.09.2021 07:15	12.09.2021 08:16	A Post Contingency Local Load Relief Warning has been issued to maintain JARRATT 115 KV G at 105.0 KV in the DOM for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	DOM
12.02.2021 15:28	12.05.2021 13:20	A Post Contingency Local Load Relief Warning has been issued to maintain WILLAMET 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

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Non – Market PCLLRW (2 Events)

Effective Start Time	Effective End Time	Message	Region
12.20.2021 06:15	12.21.2021 18:43	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain HIGHLND2-MARTIDPL HIG-09M1 at 68.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP DAY
12.17.2021 07:35	12.17.2021 18:09	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain HIGHLND2-MARTIDPL HIG-09M1 at 68.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP DAY

High System Voltage (2 Events)

Effective Start Time	Effective End Time	Message	Region
12.26.2021 00:15	12.26.2021 00:20	A High System Voltage Action has been issued for the Western region of the PJM RTO.	WESTERN
12.26.2021 00:15	12.26.2021 09:31	A High System Voltage Action has been issued for the Western region of the PJM RTO.	WESTERN

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))

Hot Weather Alert (0 Event(s))

Cold 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))