

System Operations Subcommittee

PJM Operations Summary

August 2018 Operations

**There were X PCLLRWs and X High System Voltage events in August
There was X DCS reportable event in August**

CPS1: X% BAAL: X%¹ CPS2: X%

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.

DCS (0 Events)

Spinning (1 Events)

08.12.2018 11:06	08.12.2018 11:17	RidgeSpinning in PJM for Unit Trip Keystone 2 trip - unit was loaded at 853 MW
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High System Voltage Action (0 Events)

Manual Load Dump Warning (0 Events)

HLV Schedule Warning (0 Events)

HLV Schedule Action (0 Events)

Hot/Cold Weather Alert (3 Events)

08.24.2018 09:45	Not Closed	A Hot Weather Alert has been issued from 06:00 on 08.27.2018 through 22:00 on 08.27.2018 Per M-13, members are expected to perform the following actions: TRANSMISSION/GEN DISPATCHERS review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled. GENERATION DISPATCHERS: -- Review & update unit parameters in Markets Gateway through the Hot Weather Alert period paying particular attention to accurate Start-up & Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max information. -- Submit alternate fuel capability & alternate fuel restrictions via Markets Gateway. -- Review fuel supply/delivery schedules in anticipation	COMED,DOM,MID ATL
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		<p>of greater than normal operation of units. -- Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated via eDART & will not affect the Planned Outage est. end date. -- For dual fuel units, confirm the equipment is functional & amount of alternate fuel available. Additional Comments: Forecasted Zonal Temperatures and THIs are as follows: COMED: 92°F / 83 MIDATL: 92°F / 83 DOM: 94°F / 83</p>	
<p>08.24.2018 10:00</p>	<p>Not Closed</p>	<p>A Hot Weather Alert has been issued from 06:00 on 08.28.2018 through 22:00 on 08.28.2018 Per M-13, members are expected to perform the following actions: TRANSMISSION/GEN DISPATCHERS review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled. GENERATION DISPATCHERS: -- Review & update unit parameters in Markets Gateway through the Hot Weather Alert period paying particular attention to accurate Start-up & Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max information. -- Submit alternate fuel capability & alternate fuel restrictions via Markets Gateway. -- Review fuel supply/delivery schedules in anticipation of greater than normal operation of units. -- Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated via eDART & will not affect the Planned Outage est. end date. -- For dual fuel units, confirm the equipment is functional & amount of alternate fuel</p>	<p>DOM,MIDATL</p>

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		available. Additional Comments: Forecasted Zonal Temperatures and THIs are as follows: MIDATL: 95°F / 84 DOM: 91°F / 82	
08.24.2018 10:15	Not Closed	A Hot Weather Alert has been issued from 06:00 on 08.29.2018 through 22:00 on 08.29.2018 Per M-13, members are expected to perform the following actions: TRANSMISSION/GEN DISPATCHERS review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled. GENERATION DISPATCHERS: -- Review & update unit parameters in Markets Gateway through the Hot Weather Alert period paying particular attention to accurate Start-up & Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max information. -- Submit alternate fuel capability & alternate fuel restrictions via Markets Gateway. -- Review fuel supply/delivery schedules in anticipation of greater than normal operation of units. -- Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated via eDART & will not affect the Planned Outage est. end date. -- For dual fuel units, confirm the equipment is functional & amount of alternate fuel available. Additional Comments: Forecasted Zonal Temperatures and THIs are as follows: MIDATL: 94°F / 83 DOM: 95°F / 83	DOM,MIDATL

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Primary Reserve Warning (0 Events)

Voltage Reduction Warning (0 Events)

Voltage Reduction (0 Events)

Emergency Energy Request (0 Events)

Max Emergency Gen Alert (0 Events)

Max Emergency Generation (0 Events)

Local Min Generation Event (0 Events)

Shared Reserve (6 Events)

08.27.2018 00:36	08.27.2018 00:55	-195 MW with NYISO - Nine Mile 2 - Regulation	MIDATL
08.24.2018 16:38	08.24.2018 16:50	-92 MW with NYISO - Salem 5,6 tripping - Regulation	NYISO
08.24.2018 11:44	08.24.2018 13:38	-80 MW with NYISO - CP Valley loaded at 580 - Regulation	NYISO
08.12.2018 11:09	08.12.2018 11:19	425 MW with NYISO - Keystone 2 trip - 853 MW loss - Spinning	PJM-RTO
08.11.2018 08:54	08.11.2018 09:23	-130 MW with NYISO - IESO loss of Darlington 4 loaded 780. PJM Share 130 - Regulation	PJM-RTO
08.10.2018 09:58	08.10.2018 10:28	-150 MW with NYISO - Loss of Sandy Pond - Regulation	ISONE, NYISO

Min Gen Alert (0 Event)

Emergency Procedure (1 Event)

08.26.2018 00:44	08.26.2018 08:00	A Geomagnetic Disturbance Warning has been issued for 00:44 on 08.26.2018 through 08:00 on 08.26.2018 . A GMD warning of K-7 or greater is in effect for this period.	PJM-RTO
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PCLLRW (17 Events)

07.30.2018 10:16	08.03.2018 10:12	A Post Contingency Local Load Relief Warning has been issued to maintain WARTONHI 138 KV at 127 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
08.04.2018 13:52	08.04.2018 17:21	A Post Contingency Local Load Relief Warning has been issued to maintain MAPLEOE-JACKSNOE at 319 MVA in the ATSI for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	FE-ATSI
08.06.2018 12:42	08.06.2018 20:04	A Post Contingency Local Load Relief Warning has been issued to maintain GALION B54 CB at 274 MVA in the ATSI for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	FE-ATSI
07.30.2018 14:34	08.09.2018 05:02	A Post Contingency Local Load Relief Warning has been issued to maintain YUKONAEP 138 KV at 127 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
08.07.2018 14:39	08.07.2018 15:14	A Post Contingency Local Load Relief Warning has been issued to maintain STJOHNS4 115 KV at 105 KV in the Dominion for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DOM
08.08.2018 17:26	08.08.2018 19:43	A Post Contingency Local Load Relief Warning has been issued to maintain GALION B54 CB at 274 MVA in the ATSI for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	FE-ATSI
08.09.2018 14:54	08.09.2018 18:07	A Post Contingency Local Load Relief Warning has been issued to maintain TITUSVIL-UNIONCIT DU 1083 at 120 MVA in the PN for Transmission Contingency Control. Additional Comments: Generation - slow response	FE-PN
08.13.2018 10:34	08.13.2018 20:43	A Post Contingency Local Load Relief Warning has been issued to maintain ONTARIO-SEARSTOW 0602 at 104 MVA in the AE (Atlantic Elec) for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AE
08.13.2018 15:59	08.13.2018 18:36	A Post Contingency Local Load Relief Warning has been issued to maintain GABLESW-SCADIZ GAB-SCA at 192 MVA in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP

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08.13.2018 16:20	08.13.2018 20:11	A Post Contingency Local Load Relief Warning has been issued to maintain CALVERT-JACKSONR at 213 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
08.13.2018 16:34	08.13.2018 20:11	A Post Contingency Local Load Relief Warning has been issued to maintain BOSSERMN-NEWCARLI BOS-NEW at 156 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
08.14.2018 14:38	08.14.2018 22:36	A Post Contingency Local Load Relief Warning has been issued to maintain GABLESW-SCADIZ GAB-SCA at 192 MVA in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	AEP
08.21.2018 15:51	08.21.2018 15:56	A Post Contingency Local Load Relief Warning has been issued to maintain MAPLEOE-JACKSNOE at 319 MVA in the FE(ATSI) for Transmission Contingency Control. Additional Comments: Testing	FE-ATSI
08.22.2018 10:46	08.22.2018 13:28	A Post Contingency Local Load Relief Warning has been issued to maintain WORCESTE 69 KV at 65 KV in the DPL(Delmarva) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DPL
08.22.2018 13:26	08.22.2018 18:10	A Post Contingency Local Load Relief Warning has been issued to maintain WORCESTE 69 KV at 65 KV in the DPL(Delmarva) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DPL

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08.22.2018 14:18	08.22.2018 17:30	A Post Contingency Local Load Relief Warning has been issued to maintain NSALISBU-WALSTON 6741-1 at 113 MVA in the DPL(Delmarva) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DPL
08.22.2018 17:31	08.22.2018 20:16	A Post Contingency Local Load Relief Warning has been issued to maintain CATOCTIN-RINGGOLD at 196 MVA in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	APS

Non-PCLLRW (3 Events)

08.06.2018 10:41	08.07.2018 03:55	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain WMILTON-09GRNVIL at 165 MVA in the DAYTON for Transmission Contingency Control. Additional Comments: BES 2 Facility	DAYTON
08.07.2018 11:50	08.08.2018 04:17	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain WMILTON-09GRNVIL at 165 MVA in the DAYTON for Transmission Contingency Control. Additional Comments: BES 2 Facility	DAYTON
08.13.2018 15:56	08.13.2018 17:39	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain HIGHLND2-MARTIDPL HIG-09M1 at 68 MVA in the DAYTON for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DAYTON