

**System Operations Subcommittee**

**PJM Operations Summary**

**July Operations**

**There were 23 PCLLRWs and 0 High System Voltage events in July**

**CPS1: % BAAL: %<sup>1</sup> CPS2: %**

<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.

**Spinning** (0 Events)

**Manual Load Dump Event** (0 Event)

**Emergency Procedure Event** (0 Events)

**Manual Load Dump Warning** (0 Events)

**HLV Schedule Warning** (0 Events)

**HLV Schedule Action** (0 Events)

**Hot Weather Alert** (3 Events)

07.19.2019 08:54	07.21.2019 22:00	A Hot Weather Alert has been issued from 00:00 on 07.21.2019 through 22:00 on 07.21.2019 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. GEN DISPATCHERS: -Review & update unit parameters in Markets Gateway (MG) 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 info. -Submit alternate fuel capability & alternate fuel restrictions via MG. -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 in eDART & will not affect the Planned Outage est. end date. -Dual fuel units,	AEP, AMPT, APS, CPP, DAYTON, DEOK, DUQ, EKPC, FE-ATSI, ITCI, MIDATL, OVEC, SOUTHERN
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**System Operations Subcommittee**

**PJM Operations Summary**

**July Operations**

		confirm the equipment is functional & amount of alternate fuel available. - Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4. Additional Comments: Hot Weather Alert issued for MIDATL, Southern, and Western Regions excluding ComEd.	
07.16.2019 11:15	07.21.2019 00:00	A Hot Weather Alert has been issued from 00:00 on 07.18.2019 through 00:00 on 07.21.2019 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. GEN DISPATCHERS: -Review & update unit parameters in Markets Gateway (MG) 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 info. -Submit alternate fuel capability & alternate fuel restrictions via MG. -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 in eDART & will not affect the Planned Outage est. end date. -Dual fuel units, confirm the equipment is functional & amount of alternate fuel available. - Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4.	PJM-RTO
07.15.2019 11:15	07.17.2019 23:59	A Hot Weather Alert has been issued from 06:00 on 07.17.2019 through 23:59 on 07.17.2019 Per M-13, members are expected to perform: TRANSMISSION/GEN DISPATCH review plans to determine if any	DOM, MIDATL

**System Operations Subcommittee**

**PJM Operations Summary**

**July Operations**

		<p>maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled. GEN DISPATCHERS: -Review &amp; update unit parameters in Markets Gateway (MG) through the Hot Weather Alert period paying particular attention to accurate Start-up &amp; Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max info. -Submit alternate fuel capability &amp; alternate fuel restrictions via MG. - 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 in eDART &amp; will not affect the Planned Outage est. end date. -Dual fuel units, confirm the equipment is functional &amp; amount of alternate fuel available. - Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4.</p>	
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**Cold Weather Alert**(0 Event)

**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** (3 Events)

<p>07.23.2019 17:04</p>	<p>07.23.2019 17:34</p>	<p>133 MW with NYISO - Regulation</p>	<p>NYISO</p>
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**System Operations Subcommittee**

**PJM Operations Summary**

**July Operations**

07.19.2019 14:25	07.19.2019 14:40	-122 MW with NYISO - Regulation	NYISO
07.11.2019 20:49	07.11.2019 21:13	-1 MW with NYISO - <u>test</u> - Regulation	PJM-RTO

**Min Gen Alert** (0 Events)

**Min Gen Declaration** (0 Events)

**PCLLRW** (23 Events)

07.22.2019 15:05	07.22.2019 16:18	A Post Contingency Local Load Relief Warning has been issued to maintain CHURCH-MASSEYRE 6727-1 at 64.0 MVA in the DPL(Delmarva) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DPL
07.21.2019 10:38	07.21.2019 15:21	A Post Contingency Local Load Relief Warning has been issued to maintain CHURCH-MASSEYRE 6727-1 at 64.0 MVA in the DPL(Delmarva) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DPL
07.20.2019 10:46	07.20.2019 14:34	A Post Contingency Local Load Relief Warning has been issued to maintain CHURCH-MASSEYRE 6727-1 at 64.0 MVA in the DPL(Delmarva) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DPL
07.19.2019 14:13	07.19.2019 16:44	A Post Contingency Local Load Relief Warning has been issued to maintain CHURCH-MASSEYRE 6727-1 at 64.0 MVA in the DPL(Delmarva) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DPL

**System Operations Subcommittee**

**PJM Operations Summary**

**July Operations**

07.19.2019 13:22	07.19.2019 20:53	A Post Contingency Local Load Relief Warning has been issued to maintain BELLEFON T3 XFORMER at 168.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Post Contingency Generation redispatch available - Big Sandy CT's are a 8% Lower help	AEP
07.19.2019 09:25	07.19.2019 23:49	A Post Contingency Local Load Relief Warning has been issued to maintain EELKHART-MOTTVILL at 192.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
07.18.2019 14:51	07.18.2019 20:42	A Post Contingency Local Load Relief Warning has been issued to maintain CHURCH-MASSEYRE 6727-1 at 64.0 MVA in the DPL(Delmarva) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DPL
07.17.2019 14:00	07.17.2019 21:42	A Post Contingency Local Load Relief Warning has been issued to maintain EELKHART-MOTTVILL at 185.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
07.17.2019 13:19	07.17.2019 16:41	A Post Contingency Local Load Relief Warning has been issued to maintain CHURCH-MASSEYRE 6727-1 at 64.0 MVA in the DPL(Delmarva) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DPL
07.16.2019 16:57	07.16.2019 20:46	A Post Contingency Local Load Relief Warning has been issued to maintain CHURCH-MASSEYRE 6727-1 at 64.0 MVA in the DPL(Delmarva) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	DPL

**System Operations Subcommittee**

**PJM Operations Summary**

**July Operations**

07.16.2019 09:31	07.16.2019 20:09	A Post Contingency Local Load Relief Warning has been issued to maintain EELKHART-MOTTVILL at 192.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
07.15.2019 14:19	07.15.2019 22:09	A Post Contingency Local Load Relief Warning has been issued to maintain SBENDAEP-TWINBRAN at 255.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Generation - slow response	AEP
07.15.2019 14:19	07.15.2019 15:58	A Post Contingency Local Load Relief Warning has been issued to maintain EELKHART-MOTTVILL at 185.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
07.14.2019 13:24	07.14.2019 13:47	A Post Contingency Local Load Relief Warning has been issued to maintain GARDNERS-TEXSEAST GAR-TEX at 183.0 MVA in the FE(PN) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	FE-PN
07.14.2019 13:23	07.14.2019 13:47	A Post Contingency Local Load Relief Warning has been issued to maintain STURGIS 69 KV at 63.5 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	FE-PN
07.09.2019 13:49	07.09.2019 19:34	A Post Contingency Local Load Relief Warning has been issued to maintain N_SPRFLD-SPRINGFI at 54.0 MVA in the EKPC for Transmission Contingency Control. Additional Comments: Load - No Generation or Switching available	EKPC
07.09.2019 13:02	07.09.2019 19:34	A Post Contingency Local Load Relief Warning has been issued to maintain NELSON_C 138 KV at 127.7 KV in the EKPC for Transmission Contingency Control. Additional Comments: Post	EKPC

**System Operations Subcommittee**

**PJM Operations Summary**

**July Operations**

		Contingency Switching available Contingency Switching available	
07.08.2019 17:17	07.08.2019 19:21	A Post Contingency Local Load Relief Warning has been issued to maintain NELSON_C 138 KV at 127.7 KV in the EKPC for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	EKPC
07.06.2019 17:53	07.06.2019 18:55	A Post Contingency Local Load Relief Warning has been issued to maintain ROBINS 138 KV at 130.0 KV in the DPL(Delmarva) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available - DPL verbally acknowledges PCLLRW, and course of corrective action, both operators are locked out of the tool (passwords).	DPL
07.02.2019 12:54	07.02.2019 19:47	A Post Contingency Local Load Relief Warning has been issued to maintain EELKHART-MOTTVILL at 192.0 MVA in the AEP for Transmission Contingency Control. Additional Comments: Generation - slow response	AEP
07.01.2019 17:45	07.01.2019 19:57	A Post Contingency Local Load Relief Warning has been issued to maintain 15518 -132 GARD 15518 2 at 182 MVA in the COMED for Transmission Contingency Control. Additional Comments: Post Contingency Switching available - Due to weather Comed is only willing to switch the 138kV BT1-2 at Garden Plains post contingency.	AEP

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

07.16.2019 09:00	07.08.2019 10:40	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain SBOUNDRY 69 KV at 63.5 KV in the EKPC for Transmission Contingency Control. Additional Comments: Real time voltages are to high	EKPC
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**System Operations Subcommittee**

**PJM Operations Summary**

**July Operations**

		to place capacitor in service pre-contingency.	
07.15.2019 16:51	07.15.2019 19:25	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain SMAWA-UPPERSAD at 138.0 MVA in the RECO for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	RECO

**High System Voltage Alerts** (0 Events)