

**System Operations Subcommittee**

**PJM Operations Summary**

**April Operations**

**There were 1 PCLLRWs and 7 High System Voltage events in April**

**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** (0 Events)

**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** (2 Events)

04.21.2019 23:13	04.22.2019 00:11	983mw. – Regulation	CPL
04.07.2019 10:39	04.07.2019 11:18	600Mw - Regulation	NYISO

**Min Gen Alert** (0 Events)

**Min Gen Declaration** (0 Events)

**PCLLRW** (1 Events)

04.03.2019 09:27	04.03.2019 11:57	A Post Contingency Local Load Relief Warning has been issued to maintain HANOVER 69 KV at 60.7 KV in the UGI for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	UGI
------------------	------------------	--	-----

**System Operations Subcommittee**

**PJM Operations Summary**

**April Operations**

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

04.25.2019 13:08	04.26.2019 23:56	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain OLIVE 138 KV at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: BES 2 Facility	AEP
04.01.2019 06:43	04.01.2019 09:47	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain INDIANSP 138 KV at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP

**High System Voltage Actions (7 Events)**

04.27.2019 23:30	04.28.2019 08:25	A High System Voltage has been issued; all companies shall take the following actions on the Bulk Electric System: 1. All switchable capacitors are out of service. 2. All reactors are in service. 3. TOs are requested to review and adjust LTC settings as appropriate. All LTC (230 kV and above) and voltage schedule adjustments shall be coordinated with PJM Dispatch. 4. All SVCs are absorbing reactive power. 5. Generation Owners shall operate generators at the lower bandwidth of their voltage schedule when possible. 6. Generation Owners shall communicate with PJM and the TO restrictions to their generator's ability to absorb MVARs if that capability varies from the existing "D	PJM-RTO
------------------	------------------	--	---------

		A High System Voltage has been issued; all companies shall take the following actions on the Bulk Electric System: 1. All switchable capacitors are out of service. 2. All reactors are in service. 3. TOs are requested to review and adjust	
--	--	---	--

**System Operations Subcommittee**

**PJM Operations Summary**

**April Operations**

04.26.2019 23:40	04.27.2019 08:00	LTC settings as appropriate. All LTC (230 kV and above) and voltage schedule adjustments shall be coordinated with PJM Dispatch. 4. All SVCs are absorbing reactive power. 5. Generation Owners shall operate generators at the lower bandwidth of their voltage schedule when possible. 6. Generation Owners shall communicate with PJM and the TO restrictions to their generator's ability to absorb MVARs if that capability varies from the existing "D" curve. Target: Distribution Companies/Transmission Owners/Generation	PJM-RTO
04.20.2019 01:00	04.22.2019 05:01	A High System Voltage has been issued; all companies shall take the following actions on the Bulk Electric System: 1. All switchable capacitors are out of service. 2. All reactors are in service. 3. TOs are requested to review and adjust LTC settings as appropriate. All LTC (230 kV and above) and voltage schedule adjustments shall be coordinated with PJM Dispatch. 4. All SVCs are absorbing reactive power. 5. Generation Owners shall operate generators at the lower bandwidth of their voltage schedule when possible. 6. Generation Owners shall communicate with PJM and the TO restrictions to their generator's ability to absorb MVARs if that capability varies from the existing "D" curve. Target: Distribution Companies/Transmission Owners/Generation	WESTERN
04.13.2019 23:16	04.14.2019 08:39	A High System Voltage has been issued; all companies shall take the following actions on the Bulk Electric System: 1. All switchable capacitors are out of service. 2. All reactors are in service. 3. TOs are requested to review and adjust LTC settings as appropriate. All LTC (230 kV and above) and voltage schedule	PJM-RTO

**System Operations Subcommittee**

**PJM Operations Summary**

**April Operations**

		adjustments shall be coordinated with PJM Dispatch. 4. All SVCs are absorbing reactive power. 5. Generation Owners shall operate generators at the lower bandwidth of their voltage schedule when possible. 6. Generation Owners shall communicate with PJM and the TO restrictions to their generator's ability to absorb MVARs if that capability varies from the existing "D" curve. Target: Distribution Companies/Transmission Owners/Generation	
04.13.2019 00:05	04.13.2019 08:41	A High System Voltage has been issued; all companies shall take the following actions on the Bulk Electric System: 1. All switchable capacitors are out of service. 2. All reactors are in service. 3. TOs are requested to review and adjust LTC settings as appropriate. All LTC (230 kV and above) and voltage schedule adjustments shall be coordinated with PJM Dispatch. 4. All SVCs are absorbing reactive power. 5. Generation Owners shall operate generators at the lower bandwidth of their voltage schedule when possible. 6. Generation Owners shall communicate with PJM and the TO restrictions to their generator's ability to absorb MVARs if that capability varies from the existing "D" curve. Target: Distribution Companies/Transmission Owners/Generation	PJM-RTO
04.08.2019 00:35	04.08.2019 05:11	A High System Voltage has been issued; all companies shall take the following actions on the Bulk Electric System: 1. All switchable capacitors are out of service. 2. All reactors are in service. 3. TOs are requested to review and adjust LTC settings as appropriate. All LTC (230 kV and above) and voltage schedule adjustments shall be coordinated with PJM Dispatch. 4. All SVCs are absorbing reactive power. 5. Generation Owners	WESTERN

**System Operations Subcommittee**

**PJM Operations Summary**

**April Operations**

		shall operate generators at the lower bandwidth of their voltage schedule when possible. 6. Generation Owners shall communicate with PJM and the TO restrictions to their generator's ability to absorb MVARs if that capability varies from the existing "D" curve. Target: Distribution Companies/Transmission Owners/Generation	
04.06.2019 23:55	04.07.2019 11:12	A High System Voltage has been issued; all companies shall take the following actions on the Bulk Electric System: 1. All switchable capacitors are out of service. 2. All reactors are in service. 3. TOs are requested to review and adjust LTC settings as appropriate. All LTC (230 kV and above) and voltage schedule adjustments shall be coordinated with PJM Dispatch. 4. All SVCs are absorbing reactive power. 5. Generation Owners shall operate generators at the lower bandwidth of their voltage schedule when possible. 6. Generation Owners shall communicate with PJM and the TO restrictions to their generator's ability to absorb MVARs if that capability varies from the existing "D" curve. Target: Distribution Companies/Transmission Owners/Generation	PJM-RTO