

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

Manual Load Dump Warning (0 Events)

HLV Schedule Warning (0 Events)

HLV Schedule Action (0 Events)

Hot Weather Alert (0 Events)

Primary Reserve Warning (0 Events)

Voltage Reduction Warning (0 Events)

Voltage Reduction (0 Events)

Emergency Energy Request (0 Event)

Emergency Procedure (4 Events)

10/2/2015 10:20	10/5/2015 7:26	Emergency Procedure	- <u>Issued Min Gen Advisory for PJM-RTO-RTO PJM is issuing a Minimum Generation Advisory for the valley periods 10.03.2015 through 10.05.2015 . This advisory is being issued to provide advanced warning that due to mild weather and light loads, PJM may be entering into Min Gen Alerts and possibly Min Gen Actions during these periods. No action is required from the members at this time. This is an informational notice only. As we approach these valley periods, PJM will implement Min Gen Alerts/Actions on an as needed basis.</u>
--------------------	-------------------	------------------------	--

10/07/15 06:13	10/7/2015 9:31	Emergency Procedure	- <u>Issued Geomagnetic Disturbance Warning for PJM-RTO-RTO As of 06:05 on 10.07.2015 hours, a GMD warning of K6 or greater is in effect beginning at 06:00 on 10.07.2015 and will continue until 17:30 on 10.07.2015 . PJM will issue any GMD events or extended warnings posted on the RCIS by MISO St. Paul via the PJM All-Call.</u>
-------------------	-------------------	------------------------	--

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

10/07/15 16:59	10/8/2015 6:25	Emergency Procedure	- <u>Issued Geomagnetic Disturbance Warning for PJM-RTO-RTO As of 16:59 on 10.07.2015 hours, a GMD warning of K-7 or greater is in effect beginning at 15:06 on 10.07.2015 and will continue until 02:00 on 10.08.2015 . PJM will issue any GMD events or extended warnings posted on the RCIS by MISO St. Paul via the PJM All-Call.</u>
-------------------	-------------------	------------------------	---

10/09/15 09:16	Not closed	Emergency Procedure	- <u>Issued Min Gen Advisory for PJM-RTO-RTO PJM is issuing a Minimum Generation Advisory for the valley periods 10.10.2015 through 10.12.2015 . This advisory is being issued to provide advanced warning that due to mild weather and light loads, PJM may be entering into Min Gen Alerts and possibly Min Gen Actions during these periods. No action is required from the members at this time. This is an informational notice only. As we approach these valley periods, PJM will implement Min Gen Alerts/Actions on an as needed basis.</u>
-------------------	------------	------------------------	--

Max Emergency Gen Alert (0 Events)

Max Emergency Generation (0 Events)

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

High System Voltage (19 Events)

10/1/2015 1:24	10/1/2015 5:56	Emergency Procedure	<p><u>- Issued High System Voltage for PJM-RTO-RTO As of 01:24 on 10.01.2015 hours, 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</u></p>
10/1/2015 23:29	10/2/2015 6:18	Emergency Procedure	<p><u>- Issued High System Voltage for PJM-RTO-RTO As of 23:29 on 10.01.2015 hours, 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</u></p>

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

10/2/2015 23:02	10/3/2015 8:35	Emergency Procedure	<p><u>- Issued High System Voltage for PJM-RTO-RTO As of 23:02 on 10.02.2015 hours, 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</u></p>
10/3/2015 22:05	10/4/2015 13:00	Emergency Procedure	<p><u>- Issued High System Voltage for PJM-RTO-RTO As of 22:05 on 10.03.2015 hours, 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</u></p>
10/04/15 21:00	10/5/2015 5:33	Emergency Procedure	<p><u>- Issued High System Voltage for PJM-RTO-RTO As of 21:00 on 10.04.2015 hours, 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"</u></p>

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

curve. Target: Distribution Companies/Transmission Owners/Generation

10/07/15 00:36	10/7/2015 5:32	Emergency Procedure	<u>- Issued High System Voltage for PJM-RTO-RTO As of 00:36 on 10.07.2015 hours, 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</u>
10/08/15 00:06	10/8/2015 5:33	Emergency Procedure	<u>- Issued High System Voltage for PJM-RTO-RTO As of 23:50 on 10.07.2015 hours, 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</u>

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

10/09/15 00:05	10/9/2015 5:26	Emergency Procedure	- Issued High System Voltage for PJM-RTO-RTO As of 00:05 on 10.09.2015 hours, 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
10/10/2015 0:54	10/10/2015 8:47	Emergency Procedure	<u>- Issued High System Voltage for PJM-RTO-RTO As of 00:50 on 10.10.2015 hours, 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</u>
10/11/15 00:16	10/11/2015 9:35	Emergency Procedure	<u>- Issued High System Voltage for PJM-RTO-RTO As of 00:16 on 10.11.2015 hours, 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"</u>

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

curve. Target: Distribution Companies/Transmission Owners/Generation

10/12/15 00:05	10/12/2015 5:33	Emergency Procedure	<p><u>- Issued High System Voltage for PJM-RTO-RTO As of 00:05 on 10.12.2015 hours, 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</u></p>
10/13/15 01:25	10/13/2015 5:20	Emergency Procedure	<p><u>- Issued High System Voltage for PJM-RTO-RTO As of 01:25 on 10.13.2015 hours, 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</u></p>

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

10/14/2015 0:48	10/14/2015 5:20	Emergency Procedure	<p><u>- Issued High System Voltage for PJM-RTO-RTO As of 00:48 on 10.14.2015 hours, 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</u></p>
10/14/15 23:50	10/15/2015 5:21	Emergency Procedure	<p><u>- Issued High System Voltage for PJM-RTO-RTO As of 23:50 on 10.14.2015 hours, 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</u></p>
10/16/2015 0:10	10/16/2015 5:20	Emergency Procedure	<p><u>- Issued High System Voltage for PJM-RTO-RTO As of 00:10 on 10.16.2015 hours, 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"</u></p>

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

curve. Target: Distribution Companies/Transmission Owners/Generation

10/16/15 23:40	10/17/2015 8:35	Emergency Procedure	<p><u>- Issued High System Voltage for PJM-RTO-RTO As of 23:40 on 10.16.2015 hours, 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</u></p>
10/17/15 23:48	10/18/2015 9:30	Emergency Procedure	<p><u>- Issued High System Voltage for PJM-RTO-RTO As of 23:48 on 10.17.2015 hours, 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</u></p>

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

10/22/2015 0:11	10/22/2015 6:15	Emergency Procedure	<p>- Issued High System Voltage for PJM-RTO-RTO As of 00:11 on 10.22.2015 hours, all companies shall take the following actions on the Bulk Electric System: 1. All <u>switchable capacitors are out of service.</u> 2. All <u>reactors are in service.</u> 3. <u>TOs are requested to review and adjust LTC settings as appropriate.</u> All LTC (230 kV and above) and voltage schedule adjustments shall be <u>coordinated with PJM Dispatch.</u> 4. All <u>SVCs are absorbing reactive power.</u> 5. <u>Generation Owners shall operate generators at the lower bandwidth of their voltage schedule when possible.</u> 6. <u>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.</u> Target: <u>Distribution Companies/Transmission Owners/Generation</u></p>
10/22/15 22:27	10/23/2015 6:15	Emergency Procedure	<p>- Issued High System Voltage for PJM-RTO-RTO As of 22:27 on 10.22.2015 hours, all companies shall take the following actions on the Bulk Electric System: 1. All <u>switchable capacitors are out of service.</u> 2. All <u>reactors are in service.</u> 3. <u>TOs are requested to review and adjust LTC settings as appropriate.</u> All LTC (230 kV and above) and voltage schedule adjustments shall be <u>coordinated with PJM Dispatch.</u> 4. All <u>SVCs are absorbing reactive power.</u> 5. <u>Generation Owners shall operate generators at the lower bandwidth of their voltage schedule when possible.</u> 6. <u>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.</u> Target: <u>Distribution Companies/Transmission Owners/Generation</u></p>

Spinning (0 Events)

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

Shared Reserves (5 Events)

10/2/2015 8:48	10/2/2015 9:07	Shared Reserve	<u>-125 MW with NYISO - BRUCE 800 MW - Regulation</u>
10/4/2015 19:07	10/4/2015 19:20	Shared Reserve	<u>-150 MW with NYISO - Granite Ridge tripping - Regulation</u>
10/4/2015 19:21	N/A	Manually Created Note	<u>Loaded at 700mW</u>
10/20/15 14:24	10/20/2015 14:36	Shared Reserve	<u>-84 MW with NYISO - Empire Loaded at 506 Mws - Regulation</u>
10/21/15 11:28	10/21/2015 11:45	Shared Reserve	<u>-125 MW with NYISO - Bruce Unit 1 Tripped - Regulation</u>

Min Gen Alert (4 Events)

10/1/2015 20:44	10/2/2015 5:06	Min Gen Alert	<u>- As of 20:44 on 10.01.2015 hours, a Minimum Generation Alert has been issued for the Midnight of 10.02.2015 Expected generation level is within -2469 MW of normal minimum energy limits.</u>
10/10/15 20:30	10/11/2015 7:30	Min Gen Alert	<u>- As of 20:30 on 10.10.2015 hours, a Minimum Generation Alert has been issued for the Midnight of 10.11.2015 Expected generation level is within -1790 MW of normal minimum energy limits.</u>
10/11/15 20:50	10/12/2015 6:00	Min Gen Alert	<u>- As of 20:50 on 10.11.2015 hours, a Minimum Generation Alert has been issued for the Midnight of 10.12.2015 Expected generation level is within -1983 MW of normal minimum energy limits.</u>
10/12/15 22:45	10/13/2015 5:40	Min Gen Alert	<u>- As of 22:50 on 10.12.2015 hours, a Minimum Generation Alert has been issued for the Midnight of 10.13.2015 Expected generation level is within -890 MW of normal minimum energy limits.</u>

Min Gen Declaration (0 Events)

Min Gen Event (0 Events)

Local Min Gen Event (0 Events)

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

PCLLRW (9 Events)

10/06/15 13:25	Not closed	Post Contingency Local Load Relief Warning	- As of 13:23 on 10.06.2015 a PCLLRW to maintain <u>LAYMAN 138 KV at 127 KV in the AEP area has been issued for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available - NA</u>
10/07/15 13:34	10/7/2015 21:21	Post Contingency Local Load Relief Warning	- As of 13:29 on 10.07.2015 a PCLLRW to maintain <u>SNOW 69 KV at 61.5 KV in the EKPC area has been issued for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available - Automatic capacitor operations may relieve voltages post-contingency.</u>
10/7/2015 13:34	10/7/2015 21:21	Post Contingency Local Load Relief Warning	- As of 13:29 on 10.07.2015 a PCLLRW to maintain <u>SNOW 69 KV at 61.5 KV in the EKPC area has been issued for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available - Automatic capacitor operations may relieve voltages post-contingency.</u>
10/9/2015 12:34	10/9/2015 15:40	Post Contingency Local Load Relief Warning	- As of 12:30 on 10.09.2015 a PCLLRW to maintain <u>CONC BC-GREE BC 110562 at 171 MVA in the BGE area has been issued for Transmission Contingency Control. Additional Comments: Generation - slow response - NA</u>
10/12/2015 10:31	10/12/2015 11:10	Post Contingency Local Load Relief Warning	- As of 10:28 on 10.12.2015 a PCLLRW to maintain <u>11 FISK 38TR72 12 at 83 MVA in the COMED area has been issued for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available - NA</u>
10/19/15 09:13	10/19/2015 11:49	Post Contingency Local Load Relief Warning	- As of 09:09 on 10.19.2015 a PCLLRW to maintain <u>PINEKNOT 69 KV at 61.5 KV in the EKPC area has been issued for Transmission Contingency Control. Additional Comments: Post Contingency Switching available - EKPC will place the 69 kV capacitors in service at Pine Knot and or Jellico Creek</u>
10/19/15 19:13	10/19/2015 23:19	Post Contingency Local Load Relief Warning	- As of 19:11 on 10.19.2015 a PCLLRW to maintain <u>GRABILL-ROBISONP at 256 MVA in the AEP area has been issued for Transmission Contingency Control. Additional Comments: Post Contingency Switching available - FE-W will open the 138kv 13291 CB at Richland</u>

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

10/21/15 13:07	10/21/2015 14:19	Post Contingency Local Load Relief Warning	- As of 13:01 on 10.21.2015 a PCLLRW to maintain <u>ESAYRE-NWAVERLY 1058 TIE at 143 MVA in the PN area has been issued for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available - This PCLLRW is a surrogate for potential post-contingency voltage violations that would occur if this line is opened for post-contingency control at NYISO request to control Hillside-Goudey on loss of Hillside-Dunkirk.</u>
10/21/15 14:09	10/21/2015 14:19	Post Contingency Local Load Relief Warning	- As of 14:04 on 10.21.2015 a PCLLRW to maintain <u>COLLEGEC-DREWERSB at 225 MVA in the AEP area has been issued for Transmission Contingency Control. Additional Comments: Generation - slow response - NA</u>

Non-PCLLRW (21 Events)

10/02/15 06:52	10/2/2015 11:28	Non-Market Post Contingency Local Load Relief Warn	- As of 06:46 on 10.02.2015 a Non-Market PCLLRW to maintain <u>STUART2 138 KV at 126.96 KV in the DAYTON area has been issued for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available - Post Contingency 69 kV Seaman (AEP) cap will be placed in service.</u>
10/04/15 09:12	Not closed	Non-Market Post Contingency Local Load Relief Warn	- As of 09:10 on 10.04.2015 a Non-Market PCLLRW to maintain <u>HUFFMAN 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. Additional Comments: BES 2 Facility - Install 138KV Cap post-contingency @ Huffman</u>
10/05/15 07:18	Not closed	Non-Market Post Contingency Local Load Relief Warn	- As of 07:16 on 10.05.2015 a Non-Market PCLLRW to maintain <u>SCIPPO 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. Additional Comments: BES 2 Facility - Place into service 138KV Delano Cap</u>
10/06/15 10:39	10/7/2015 19:50	Non-Market Post Contingency Local Load Relief Warn	- As of 10:35 on 10.06.2015 a Non-Market Post <u>Contingency Local Load Relief Warning to maintain 02LAKERD 1 XFORMER at 75 MVA in the CPP area has been issued for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available</u>
10/11/2015 4:16	10/11/2015 5:07	Non-Market Post Contingency Local Load Relief Warn	- As of 04:10 on 10.11.2015 a Non-Market PCLLRW to maintain <u>TIMBERRD 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. Additional Comments: Post Contingency Switching available - To place 138kV ROBINSONP Cap 'B' in service post contingency.</u>

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

10/12/15 09:53	Not closed	Non-Market Post Contingency Local Load Relief Warn	- As of 09:50 on 10.12.2015 a Non-Market PCLLRW to maintain JAY 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. <u>Additional Comments: Post Contingency Switching available - 138KV cap at Jay will be placed in service.</u>
10/12/2015 10:56	10/12/2015 21:05	Non-Market Post Contingency Local Load Relief Warn	- As of 10:53 on 10.12.2015 a Non-Market PCLLRW to maintain MTAIRY2 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. <u>Additional Comments: Post Contingency Generation redispatch available - Wolf Hills Ct will be called on if Post contingency load dump ratings are violated.</u>
10/12/2015 12:48	10/12/2015 13:58	Non-Market Post Contingency Local Load Relief Warn	- As of 12:43 on 10.12.2015 a Non-Market PCLLRW to maintain PURSLEY 138 KV at 127 KV in the APS area has been issued for Transmission Contingency Control. <u>Additional Comments: BES 2 Facility - NA</u>
10/13/2015 6:31	Not closed	Non-Market Post Contingency Local Load Relief Warn	- As of 06:29 on 10.13.2015 a Non-Market PCLLRW to maintain SCIPPO 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. <u>Additional Comments: Load -No Generation or Switching available - NA</u>
10/14/15 05:21	10/15/2015 4:19	Non-Market Post Contingency Local Load Relief Warn	- As of 05:17 on 10.14.2015 a Non-Market PCLLRW to maintain O2LAKERD 1 XFORMER at 75 MVA in the CPP area has been issued for Transmission Contingency Control. <u>Additional Comments: Load -No Generation or Switching available - NA</u>
10/15/15 05:09	Not closed	Non-Market Post Contingency Local Load Relief Warn	- As of 05:05 on 10.15.2015 a Non-Market PCLLRW to maintain O2LAKERD 1 XFORMER at 75 MVA in the CPP area has been issued for Transmission Contingency Control. <u>Additional Comments: Load -No Generation or Switching available - NA</u>
10/16/15 01:43	10/16/2015 3:20	Non-Market Post Contingency Local Load Relief Warn	- As of 01:37 on 10.16.2015 a Non-Market PCLLRW to maintain STUART2 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. <u>Additional Comments: Load -No Generation or Switching available - Post Contingency Switching Solution: Place the Seaman 69 kV Cap AA in service.</u>
10/16/15 06:38	Not closed	Non-Market Post Contingency Local Load Relief Warn	- As of 06:33 on 10.16.2015 a Non-Market PCLLRW to maintain JAY 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. <u>Additional Comments: Load -No Generation or Switching available - Post contingency Place 138kv Cap in service at Jay</u>
10/19/15 04:53	10/19/2015 8:32	Non-Market Post Contingency	- As of 04:49 on 10.19.2015 a Non-Market PCLLRW to maintain O2LAKERD 1 XFORMER at 75 MVA in the CPP area has been issued for Transmission Contingency

System Operations Subcommittee
PJM Operations Summary
October 2015 Operations - Partial

		Local Load Relief Warn	<u>Control. Additional Comments: BES 2 Facility - NA</u>
10/19/15 07:27	Not closed	Non-Market Post Contingency Local Load Relief Warn	<u>- As of 07:23 on 10.19.2015 a Non-Market PCLLRW to maintain JUBALEAR 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. Additional Comments: Post Contingency Switching available - Post contingency place AA JUBALEAR 138kV cap in service.</u>
10/20/15 08:36	Not closed	Non-Market Post Contingency Local Load Relief Warn	<u>- As of 08:34 on 10.20.2015 a Non-Market PCLLRW to maintain SULPHURS 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. Additional Comments: BES 2 Facility - Caps available post contingency</u>
10/20/2015 10:57	10/20/2015 12:23	Non-Market Post Contingency Local Load Relief Warn	<u>- As of 10:46 on 10.20.2015 a Non-Market PCLLRW to maintain SKENTON 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. Additional Comments: Post Contingency Switching available - Place into service ACADEMIA 69kV AA cap.</u>
10/21/15 06:44	Not closed	Non-Market Post Contingency Local Load Relief Warn	<u>- As of 06:41 on 10.21.2015 a Non-Market PCLLRW to maintain HUFFMAN 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. Additional Comments: Post Contingency Switching available - Post contingency caps available at Huffman, Jubalear and Galax.</u>
10/21/15 19:24	10/21/2015 21:33	Non-Market Post Contingency Local Load Relief Warn	<u>- As of 19:21 on 10.21.2015 a Non-Market PCLLRW to maintain SULPHURS 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available - NA</u>
10/22/15 10:39	10/23/2015 0:23	Non-Market Post Contingency Local Load Relief Warn	<u>- As of 10:36 on 10.22.2015 a Non-Market PCLLRW to maintain SULPHURS 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. Additional Comments: Post Contingency Switching available - caps avail postingency @ Howard</u>
10/23/15 06:45	Not closed	Non-Market Post Contingency Local Load Relief Warn	<u>- As of 06:42 on 10.23.2015 a Non-Market PCLLRW to maintain SULPHURS 138 KV at 126.96 KV in the AEP area has been issued for Transmission Contingency Control. Additional Comments: Post Contingency Switching available - 138kv caps at Howard.</u>