

System Operations Subcommittee
PJM Operations Summary
November 2010 (for October 2010 Operations)

PJM RTO CPS1 136.2%; BAAL 99.5% (NERC 100%); (CPS2 88.0%); DCS 100%

DCS Event

- On 10/15/2010 @ 23:21 Salem #1 Tripped at 1208 MW
- On 10/17/2010@ 05:21 Salem#2 Tripped at 1158 MW

100% Spinning (6 Events)

10/5/2010	10/05/2010	10/05/2010	Emergency Procedures	Spinning: Spinning in RFC for Unit Trip Keystone 1 850 mw's
	13:20	13:30		
10/5/2010	10/05/2010	10/05/2010	Emergency Procedures	Spinning: Spinning in MIDATL for Unit Trip Keystone 1 trip 850 mw's
	13:20	13:30		
10/15/2010	10/15/2010	10/15/2010	Emergency Procedures	Spinning: Spinning in MIDATL for Low ACE Lost Salem 1 loaded at 1100MW.
	23:22	23:32		
10/15/2010	10/15/2010	10/15/2010	Emergency Procedures	Spinning: Spinning in RFC for Low ACE Loss of Salem 1 loaded at 1100MW.
	23:25	23:32		
10/27/2010	10/27/2010	10/27/2010	Emergency Procedures	Spinning: Spinning in RFC for Low ACE Low Ace due to Load coming in greater than 2500mw higher.
	06:35	06:42		
10/27/2010	10/27/2010	10/27/2010	Emergency Procedures	Spinning: Spinning in MIDATL for Unit Trip Morgantown 1 tripped at 600mw due to an electrical problem.
	08:50	09:00		

Reserve Sharing (2 Events)

10/15/2010	10/15/2010	10/15/2010	Emergency Procedures	Shared Reserve: 593 MW with NYISO - Salem 1 loaded at 1100MW.
	23:27	23:38		
10/24/2010	10/24/2010	10/24/2010	Emergency Procedures	Shared Reserve: -77 MW with NYISO - NY Empire 560 mw - Regulation
	20:14	20:25		

High System Voltage Alert (4 Events)

10/3/2010	10/03/2010	10/03/2010	Emergency Procedures	Emergency Procedure: Issued High System Voltage beginning 03:30 for PJM - RTO As of 03:30 New
	03:30	09:01		
10/10/2010	10/10/2010	10/10/2010	Emergency Procedures	Emergency Procedure: Issued High System Voltage beginning 01:33 for PJM - RTO As of 01:33 New Additional Comments: All companies shall take the following actions on the Bulk Electric System: 1. Switch capacitors out of service. 2. Switch reactors in service. 3. Ensure all SVCs are absorbing reactive power. 4. Generation Owners coordinate reactive power adjustments with Transmission Owners (TOs). 5. Generation Owners communicate with PJM and TOs restrictions to their generators ability to absorb MVARs that vary from existing
	01:33	08:34		
10/11/2010	10/11/2010	10/11/2010	Emergency Procedures	Emergency Procedure: Issued High System Voltage beginning 00:36 for PJM - RTO As of 00:36 New
	00:38	07:20		
10/24/2010	10/24/2010	10/24/2010	Emergency Procedures	Emergency Procedure: Issued High System Voltage beginning 02:15 for PJM - RTO As of 02:15 New hours, all companies shall take the following actions on the Bulk Electric System: 1. Switch capacitors out of service. 2. Switch reactors in service. 3. Ensure all SVCs are absorbing reactive power. 4. Generation Owners coordinate reactive power adjustments with Transmission Owners (TOs). 5. Generation Owners communicate with PJM and TOs restrictions to their generators ability to absorb MVARs that vary from existing "D" curve.
	02:18	09:30		

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Target: Distribution Companies/Transmission Owners/Generation

PCLLRW's (13Events: 0 Gen, 2 Switch, 11 Load)

10/1/2010	10/01/2010 06:47	10/01/2010 09:40	Emergency Procedures	PCLLRW of 30 MW in the SleepyHollow area of APS has been issued for Transmission Contingency Control. Additional Comments: Post-contingency thermal violation on Millville - Sleep Hollow I/o Doubs - Mt Storm. Post-contingency switching available by opening the 138kv Sleep Hollow CB @ Millville. This PCLLRW and switching also covers Shepherds - Sleepy Hollow and Bedington - Shepherds both I/o Doubs - Mt Storm.
10/4/2010	10/04/2010 03:38	10/04/2010 05:06	Emergency Procedures	PCLLRW of 10 MW in the East Sayre area of FE (PN) has been issued for Transmission Contingency Control. Additional Comments: Post contingency switching opening the North Waverly cb @East Sayre
10/9/2010	10/09/2010 23:34	10/09/2010 23:59	Emergency Procedures	PCLLRW of 55 MW in the Beaumead area of Dominion has been issued for Transmission Contingency Control.
10/10/2010	10/09/2010 23:34	10/10/2010 02:22	Emergency Procedures	PCLLRW of 55 MW in the Beaumead area of Dominion has been issued for Transmission Contingency Control. Reason: Generation - slow response
10/11/2010	10/11/2010 00:09	10/11/2010 02:06	Emergency Procedures	PCLLRW of 15 mw MW in the Newark area of PSEG has been issued for Transmission Contingency Control. Additional Comments: Due to unavailable generation after bus trip.
10/11/2010	10/11/2010 00:54	10/11/2010 04:03	Emergency Procedures	PCLLRW of 400 MW in the North DOM area of Dominion has been issued for Transmission Contingency Control. Additional Comments: For Dickerson-Pleasant View I/o Doubs-Pleasant view Reason: Load - no generation or switching available
10/18/2010	10/18/2010 10:31	10/18/2010 12:40	Emergency Procedures	PCLLRW of 10 MW in the Concord area of BGE has been issued for Transmission Contingency Control. Additional Comments: waiting for the restoration of the 110564 Concord-Monument 115 KV line Edart#407588 Reason: Load - no generation or switching available
10/22/2010	10/22/2010 11:51	10/22/2010 18:52	Emergency Procedures	PCLLRW of 2 MW in the Glendon area of FE (ME) has been issued for Transmission Contingency Control. Additional Comments: Glendon-Hosensack 914 I/o Gilbert-Glen Gardner V1036 Reason: Load - no generation or switching available

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10/24/2010	10/24/2010 18:27	10/24/2010 20:21	Emergency Procedures	PCLLRW of 40 MW in the Barracks Road area of Dominion has been issued for Transmission Contingency Control. Additional Comments: I/o Elmont-Cunningham 553 line - Post contingenc take Bath Generators off (13% hurt)if possible., Notes: Lowering Bath Gen and Fluvanna hurt the Halifax-Persons contingency - Lousia CT's 2.5 hours time to start.
10/24/2010	10/24/2010 18:34	10/24/2010 20:57	Emergency Procedures	PCLLRW of 60 MW in the South Boston, Clover, Welco, Reedy Creek area of N/A has been issued for Transmission Contingency Control. Additional Comments: I/o Carson-Wake
10/25/2010	10/25/2010 12:29	10/25/2010 14:51	Emergency Procedures	PCLLRW of 10 MW in the Oak Park area of APS has been issued for Transmission Contingency Control. Additional Comments: for the loss of Albright-Pruntytown 138kv line.
10/25/2010	10/25/2010 19:13	10/25/2010 21:34	Emergency Procedures	PCLLRW of 15 MW in the LAGONDA area of APS has been issued for Transmission Contingency Control. Additional Comments: Post-contingency thermal overload on Tiltonsville-Windsor 138kv I/o Hatfield-Ronco 500kv. Pre-contingency switching not valid due to current outages on the system. Slow moving generation. Post-contingency switching open BuffaloJct CB @ Cecil. Reason: Load - no generation or switching available
10/27/2010	10/27/2010 20:27	10/27/2010 20:53	Emergency Procedures	PCLLRW of 74 MW in the Greenwch,Thalia,Greenrun area of Dominion has been issued for Transmission Contingency Control. Additional Comments: Greenwch-Elizriv 2018A 230KV line loss of Septa-Fentress, Fentress TX1, and Fentress TX3. Reason: Load - no generation or switching available