

**System Operations Subcommittee**  
**PJM Operations Summary**  
**January 2012 (for December 2011 Operations)**

PJM RTO CPS1 135.3% ; BAAL 99.6% (NERC 100%); (CPS2 90.4%); 1 DCS Event

**DCS**

- **12/13/2011, Loss of Gavin #1 (1261MW)**

**Spinning** (2 Events)

<a href="#">12/15/2011</a>	12/15/11 09:35	12/15/11 09:43	<a href="#">Emergency Procedure</a>	Spinning in MIDATL for Low ACE ACE was not recovering fast enough.
<a href="#">12/21/2011</a>	12/21/11 09:25	12/21/11 09:42	<a href="#">Emergency Procedure</a>	Spinning in RFC for Unit Trip ZIMMER tripped due to tube leak. HARRISON tripped one minute later due to PA fan problems.

**Shared Reserve** (1 Event)

<a href="#">12/21/2011</a>	12/21/11 09:28	12/21/11 09:40	<a href="#">Emergency Procedure</a>	675 MW with NYISO - LOSS OF ZIMMER & HARRISON
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**Minimum Generation Alert** (2 Events)

<a href="#">12/30/2011</a>	12/30/11 20:47	12/31/11 07:41	<a href="#">Emergency Procedure</a>	- As of 20:37 hours, a Minimum Generation Alert has been issued for the Midnight of 12/31/11 Expected generation level is within 1983 MW of normal minimum energy limits. Additional Comments: Adj Min Gen: 66,033 MW Valley Load Est: 68,016 MW eDart report #: 32047
<a href="#">12/31/2011</a>	12/31/11 21:18	01/01/12 07:51	<a href="#">Emergency Procedure</a>	- As of 21:15 hours, a Minimum Generation Alert has been issued for the Midnight of 01/01/12 Expected generation level is within -1483 MW of normal minimum energy limits. Additional Comments: Report #: 32048

**Local Min Gen Event** (1 Event)

<a href="#">12/19/2011</a>	12/19/11 03:19	12/19/11 06:09	<a href="#">Emergency Procedure</a>	- ComEd - Control Zone As of 03:18 a Local Minimum Generation Event has been issued for ComEd Additional Comments: Crete-St John I/o 765kV at 112_wilton_center
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**High System Voltage** (14 events)

<a href="#">12/01/2011</a>	12/01/11 01:22	12/01/11 05:03	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic - Region As of 01:10 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. Target: Distribution Companies/Transmission Owners/Generation
<a href="#">12/03/2011</a>	12/03/11 00:58	12/03/11 05:53	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic - Region, Southern - Region As of 01:00 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

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				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. Target: Distribution Companies/Transmission Owners/Generation
<a href="#">12/05/2011</a>	12/05/11 00:27	12/05/11 05:26	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic - Region, Southern - Region As of 00:22 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. Target: Distribution Companies/Transmission Owners/Generation
<a href="#">12/06/2011</a>	12/06/11 00:11	12/06/11 06:23	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic - Region, Southern - Region As of 23:50 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. Target: Distribution Companies/Transmission Owners/Generation
<a href="#">12/06/2011</a>	12/06/11 23:17	12/07/11 06:26	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic - Region, Southern - Region As of 23:12 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. Target: Distribution Companies/Transmission Owners/Generation
<a href="#">12/14/2011</a>	12/14/11 23:17	12/15/11 05:42	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic - Region, Southern - Region As of 23:14 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. Target: Distribution Companies/Transmission Owners/Generation

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<a href="#">12/15/2011</a>	12/15/11 22:31	12/16/11 06:29	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic - Region, Southern - Region As of 22:30 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. Target: Distribution Companies/Transmission Owners/Generation
<a href="#">12/16/2011</a>	12/16/11 22:46	12/17/11 05:15	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic - Region, Dominion - Control Zone As of 22:45 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. Target: Distribution Companies/Transmission Owners/Generation
<a href="#">12/19/2011</a>	12/19/11 23:38	12/20/11 06:30	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic & Dominion As of 11:35 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. Target: Distribution Companies/Transmission Owners/Generation
<a href="#">12/22/2011</a>	12/22/11 02:09	12/22/11 06:25	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic - Region, Southern - Region As of 02:05 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. Target: Distribution Companies/Transmission Owners/Generation
<a href="#">12/22/2011</a>	12/22/11 23:47	12/23/11 06:30	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic - Region, Southern - Region As of 23:45 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. Target: Distribution Companies/Transmission Owners/Generation

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<a href="#">12/24/2011</a>	12/24/11 01:16	12/24/11 06:29	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic - Region, Southern - Region As of 01:15 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. Target: Distribution Companies/Transmission Owners/Generation
<a href="#">12/26/2011</a>	12/26/11 02:23	12/26/11 04:50	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic - Region, Southern - Region As of 02:23 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. Target: Distribution Companies/Transmission Owners/Generation
<a href="#">12/31/2011</a>	12/31/11 21:36	01/01/12 07:51	<a href="#">Emergency Procedure</a>	- Issued High System Voltage for Mid-Atlantic - Region, Southern - Region As of 21:35 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. Target: Distribution Companies/Transmission Owners/Generation

**PCLLRW's (12 total, 10 switch, 2 load, 0 Gen)**

<a href="#">12/2/2011</a>	12/2/2011 6:56	12/2/2011 8:33	<a href="#">Emergency Procedure</a>	- PCLLRW of 100 MW in the Waugh Chapel area of BGE has been issued for Transmission Contingency Control. Waugh Chapel 2 and 3 Transformers one for loss of other
<a href="#">12/2/2011</a>	12/2/2011 13:36	12/2/2011 15:04	<a href="#">Emergency Procedure</a>	- PCLLRW of 5 MW in the Deep Run area of FE (JC) has been issued for Transmission Contingency Control. PCLLRW 5MW for DEEPRN-ENGLISHT C3 I/o Parlin-Redoak-Sayreville G1047 Additional Comments: Post contingency switching option available.
<a href="#">12/3/2011</a>	12/3/2011 17:34	12/3/2011 23:03	<a href="#">Emergency Procedure</a>	- PCLLRW of 10 MW in the area of AEP has been issued for Transmission Contingency Control. Additional Comments: E Lima - New Liberty I/o East Lima-Fostoria. Post Contingency switching exists. Reason: Post Contingency Switching available

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<a href="#">12/3/2011</a>	12/3/2011 17:45	12/3/2011 23:03	<a href="#">Emergency Procedure</a>	- PCLLRW of 20 MW in the area of AEP has been issued for Transmission Contingency Control. Additional Comments: Lockwood- S Hicksville I/o East Lima-Campbel2. Post contingency switching exists.
<a href="#">12/8/2011</a>	12/8/2011 6:15	12/8/2011 14:57	<a href="#">Emergency Procedure</a>	- PCLLRW of None MW in the Limerick area of PECO has been issued for Transmission Contingency Control. Additional Comments: For Limerick 4 Transformer on the loss of Limerick-Cromby 230KV line. Post Contingency actions are available and coordinated. Reason: Limerick #1 will Reduce
<a href="#">12/9/2011</a>	12/9/2011 6:46	12/9/2011 14:48	<a href="#">Emergency Procedure</a>	- PCLLRW of No MW in the Limerick area of PECO has been issued for Transmission Contingency Control. Additional Comments: For Limerick 4A and 4B 230kv transformer for the loss of Limerick Cromby 220-61 line. Post contingency actions are available and coordinated. Reason: Post Contingency Switching available
<a href="#">12/9/2011</a>	12/9/2011 17:23	12/9/2011 20:34	<a href="#">Emergency Procedure</a>	- PCLLRW of 0 MW in the Limerick area of PECO has been issued for Transmission Contingency Control. Reason: Post Contingency Switching available
<a href="#">12/9/2011</a>	12/9/2011 14:11	12/9/2011 15:54	<a href="#">Emergency Procedure</a>	PCLLRW of 5 MW in the Eureka, Pleasant, St Marys area of APS has been issued for Transmission Contingency Control. Additional Comments: I/o Kammer 765-345 xfmr
<a href="#">12/13/2011</a>	12/13/11 06:28	12/13/2011 9:08	<a href="#">Emergency Procedure</a>	- PCLLRW of 15 MW in the BREMO area of Dominion has been issued for Transmission Contingency Control. POST CONTINGENCY LOW VOLTAGE for loss of Bremo #9 TR 230/115 kV Reason: Load - no generation or switching available
<a href="#">12/15/2011</a>	12/15/2011 17:00	12/15/2011 19:11	<a href="#">Emergency Procedure</a>	- PCLLRW of 15 MW in the Lake Nelson/Kilmer area of PSEG has been issued for Transmission Contingency Control. Additional Comments: For I-1023 Bridgewater-Middlesex on the loss of Atlantic-Freneau.
<a href="#">12/21/2011</a>	12/21/2011 18:00	12/21/2011 19:05	<a href="#">Emergency Procedure</a>	- PCLLRW of 30 MW in the Kammer area of AEP has been issued for Transmission Contingency Control. Additional Comments: Kammer .100 Tx I/o Kammer-W.Bellair-Tidd 345kv line.
<a href="#">12/22/2011</a>	12/22/2011 2:03	12/22/2011 2:25	<a href="#">Emergency Procedure</a>	- PCLLRW of 15 MW MW in the JC & PS area of FE (JC) has been issued for Transmission Contingency Control. Additional Comments: PCLLRW 15MW for DEEPRN-ENGLISHT C3 B 115 KV I/o PARLIN-SAYREVILLE (G1047) 230kv line

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	Reason: Load - no generation or switching available
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