

System Operations Subcommittee
PJM Operations Summary
February 2011 (for January 2011 Operations)

PJM RTO CPS1 139.7%; BAAL 99.6% (NERC 100%); (CPS2 90.0%); DCS No Event

100% Spinning (1 Event)

<u>1/11/2011</u>	01/11/2011 10:10	01/11/2011 10:16	<u>Emergency Procedures</u>	Spinning: Spinning in MIDATL for Unit Trip 217 MW Shared reserves to NYISO for I/o Mystic 8 & 9., Notes: ACE was low at the time SR were called due to Manual Dispatch ending coming out of a SCED update.
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Shared Reserve (2 Events)

<u>1/11/2011</u>	01/11/2011 00:35	01/11/2011 00:53	<u>Emergency Procedures</u>	Shared Reserve: -123 MW with NYISO - Bruce 6 - Regulation
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<u>1/11/2011</u>	01/11/2011 10:09	01/11/2011 10:25	<u>Emergency Procedures</u>	Shared Reserve: -217 MW with NYISO - Mystic 8 & 9 - Spinning, Notes: Loaded at 1400 MW.
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Cold Weather Alert (2 Events)

<u>1/21/2011</u>	01/20/2011 10:10	01/21/2011 21:40	<u>Emergency Procedures</u>	Emergency Procedure: Issued Cold Weather Alert beginning 10:00 for Western - Region As of 10:00 hours, a Cold Weather Alert has been issued for 01/21/2011 Day Additional Comments: Cold Weather Alert issued for Western Transmission Zones (all zones except MA and Dominion). The most severe forecast in the affected zone is in CE with a high of 13, low of -3. The Alert is issued for Day and Evening periods of Friday 1/21.
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<u>1/24/2011</u>	01/21/2011 10:05	01/24/2011 19:59	<u>Emergency Procedures</u>	Emergency Procedure: Issued Cold Weather Alert beginning 10:00 for PJM - RTO As of 10:00 hours, a Cold Weather Alert has been issued for 01/24/2011 Day Additional Comments: A cold weather alert has been issued for the day period only for the entire PJM RTO except for the Dominion zone. Forecasted temperatures are expected to be in the single digits.
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PCLLRW's (19 Events: 1 Gen, 5 Switch, 13 Load)

<u>1/4/2011</u>	01/04/2011 13:49	01/04/2011 22:32	<u>Emergency Procedures</u>	PCLLRW of 9 MW in the STATESTR area of AEP has been issued for Transmission Contingency Control. Additional Comments: Post contingency switching available for ANTHONYT-LINCOLN2 for I/o Robinson Park T5: Open the Anthony-Lincoln bkr 'D' at Lincoln.
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<u>1/5/2011</u>	01/05/2011 09:08	01/05/2011 09:56	<u>Emergency Procedures</u>	PCLLRW of 7 MW in the Clarendon area of Dominion has been issued for Transmission Contingency Control. Additional Comments: Contingency overload on the Pentagon-Roslyn 174A 69 kV line for the loss of Pentagon-Roslyn 178A 69 kV line. Post Contingency switching is to shed load at either Clarendon, Balston or Roslyn. This PCLLRW also applies to Roslyn 178A 69 kV line for the loss of Pentagon-Roslyn 174A 69 kV line. Reason: Load - no generation or switching available, Notes: Dominion distribution placed load on the 230 kV bus at Clarendon. This created the overload condition. Dominion distribution is removing 15 MW of load at either Clarendon or Balston.
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<u>1/9/2011</u>	01/09/2011 08:36	01/09/2011 10:15	<u>Emergency Procedures</u>	PCLLRW of 5 MW in the Turner area of Dominion has been issued for Transmission Contingency Control. Additional Comments: PCLLRW 5mw for CHESTER4-TURNER4 92A loss of 224 Lanexa - Northern Neck.
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<u>1/14/2011</u>	01/14/2011 07:13	01/14/2011 09:21	<u>Emergency Procedures</u>	PCLLRW of 19 MW in the Smyth area of AEP has been issued for Transmission Contingency Control. Additional Comments: Post contingency low voltage at Broadford for the loss of Broadford 765/138Kv transformer Load - no generation or switching available,
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1/14/2011	01/14/2011 07:16	01/14/2011 09:21	Emergency Procedures	PCLLRW of 26 MW in the Saltville area of AEP has been issued for Transmission Contingency Control. Additional Comments: Post contingency low voltage at Saltville for the loss of Broadford 765kv/138Kv transformer Load - no generation or switching available, Notes: open bank 1 at Saltville
1/17/2011	01/17/2011 09:34	01/17/2011 09:53	Emergency Procedures	PCLLRW of 12 MW in the Fayetteville area of APS has been issued for Transmission Contingency Control. Additional Comments: PCLLRW issued for 12MW's in the Fayetteville area of APS for post contingency low voltage @ Roxbury for L/O Guilford-Grand Pt 138 kv Line. Reason: Generation - slow response
1/20/2011	01/20/2011 08:06	01/20/2011 12:59	Emergency Procedures	PCLLRW of 15 MW in the Hardy area of APS has been issued for Transmission Contingency Control. Additional Comments: PCLLRW issued to control nonmarket facility post-contingency low voltages occurring on loss of Hardy-Junction 138kV line. Opening Hardy 138kV bus tie circuit CB should alleviate problem post-contingency.
1/20/2011	01/20/2011 08:35	01/20/2011 13:09	Emergency Procedures	PCLLRW of 20 MW MW in the Huffman area of AEP has been issued for Transmission Contingency Control. Additional Comments: PCLLRW issued to control nonmarket facility post-contingency low voltages at Huffman, Pipersgap and Jubalear occurring for the loss of Jacksons Ferry Huffman 138 Kv line.
1/21/2011	01/21/2011 06:39	01/21/2011 13:28	Emergency Procedures	PCLLRW of 20 MW in the Huffman, Jubalear and Pipersgap area of AEP has been issued for Transmission Contingency Control. Additional Comments: Issued for the loss of Jacksons Ferry Huffman 138 Kv line. Galax 69 Kv capacitors are available to be placed in service if the contingency occurs.
1/22/2011	01/21/2011 23:10	01/22/2011 00:33	Emergency Procedures	PCLLRW of 110 MW MW in the Dooms area of Dominion has been issued for Transmission Contingency Control. Additional Comments: PCLLRW for 110 MW has been issued for the Dooms TX6 trans on L/O Valley 500/230 Trans. Reason: Load - no generation or switching available
1/22/2011	01/22/2011 07:16	01/22/2011 11:56	Emergency Procedures	PCLLRW of 40mw MW in the Huffman, Pipersgap area of AEP has been issued for Transmission Contingency Control. Additional Comments: Issued for the loss of Jacksons Ferry Huffman 138 Kv line. 69 Kv capacitors are available to be placed in service post contingency. Load - no generation or switching available
1/22/2011	01/22/2011 07:55	01/22/2011 08:12	Emergency Procedures	PCLLRW of 10 MW in the Belmont area of APS has been issued for Transmission Contingency Control. Additional Comments: BELMONT 3 XFMR 500/138KV L/O BELMONT 1 & 2 XFMRs 500/138KV (failed sect.)
1/23/2011	01/23/2011 01:51	01/23/2011 02:19	Emergency Procedures	PCLLRW of 75 MW in the Western Dominion area of Dominion has been issued for Transmission Contingency Control. Additional Comments: For Cloverdale Lexington on L/O Pruntytown - Mt. Storm Reason: Load - no generation or switching available
1/23/2011	01/23/2011 08:16	01/23/2011 11:19	Emergency Procedures	PCLLRW of 23 MW in the Pipersgap area of AEP has been issued for Transmission Contingency Control. Post Contingency low voltage in Huffman / Pipersgap area for the loss of Jaksons Ferry-Huffman 138Kv line. Additional Comments: Issued for the loss of Jacksons Ferry Huffman 138 Kv line. 69 Kv capacitors are available to be placed in service post contingency. Load - no generation or switching available
1/24/2011	01/24/2011 06:34	01/24/2011 11:47	Emergency Procedures	PCLLRW of 27 MW in the Huffman, Pipersgap area of AEP has been issued for Transmission Contingency Control. Post Contingency low voltage in Huffman / Pipersgap area for the loss of Jacksons Ferry-Huffman 138Kv line. Additional Comments: 69Kv Capacitors available post contingency at Galax. Load - no generation or switching available

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<u>1/25/2011</u>	01/25/2011 06:45	01/25/2011 10:35	<u>Emergency Procedures</u>	PCLLRW of 27 MW in the Pipersgap area of AEP has been issued for Transmission Contingency Control. Post Contingency low voltage in Huffman / Pipersgap area for the loss of Jacksons Ferry-Huffman 138Kv line. Additional Comments: 69Kv Capacitors available post contingency at Galax. Load - no generation or switching available
<u>1/26/2011</u>	01/26/2011 19:12	01/26/2011 21:53	<u>Emergency Procedures</u>	PCLLRW of 10 MW in the Claypool Hill and Richland area of AEP has been issued for Transmission Contingency Control. Additional Comments: For voltage drop on L/O Broadford 765/138 kV Trans. Note: Underlying caps are available post contingency prior to shedding load.
<u>1/27/2011</u>	01/27/2011 08:29	01/27/2011 21:02	<u>Emergency Procedures</u>	PCLLRW of 9 MVA MW in the Canaan Valley area of APS has been issued for Transmission Contingency Control. Additional Comments: Due to post contingency low voltages.
<u>1/28/2011</u>	01/28/2011 09:17	01/28/2011 12:48	<u>Emergency Procedures</u>	PCLLRW of 10 MW in the Harwood area of PPL has been issued for Transmission Contingency Control. Additional Comments: Low voltage in the Harwood area for I/o Harwood-Susquehanna 2 & #4 transformer at Harwood (failed sectionalizing). Post contingency switching is to open the Berwick cb at Harwood Reason: Post Contingency Switching available