

System Operations Subcommittee
PJM Operations Summary
January 2011 (for December 2010 Operations)

PJM RTO CPS1 141.2%; BAAL 99.5% (NERC 100%); (CPS2 90.0%); DCS No Events

100% Spinning (6 Events)

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| 12/7/2010 | 12/07/2010 20:19 | 12/07/2010 20:30 | Emergency Procedures | Spinning: Spinning in RFC for Unit Trip Lawrenceburg Units loaded at 700MW's |
| 12/9/2010 | 12/09/2010 15:07 | 12/09/2010 15:12 | Emergency Procedures | Spinning: Spinning in RFC for Unit Trip Keystone 1 loaded at 850MW's |
| 12/14/2010 | 12/14/2010 07:02 | 12/14/2010 07:26 | Emergency Procedures | Spinning: Spinning in MIDATL for Low ACE Western steam dropped for transfers and CTs called to control transfers did not start in time. |
| 12/16/2010 | 12/16/2010 13:40 | 12/16/2010 14:00 | Emergency Procedures | Spinning: Spinning in MIDATL for Transmission Spin due to transfers, Notes: The 5004 line and the Keystone 500 kV bus tripped. |
| 12/17/2010 | 12/17/2010 17:09 | 12/17/2010 17:15 | Emergency Procedures | Spinning: Spinning in MIDATL for Unit Trip Keystone 1 tripped at 1708 due to turbine vibration. |
| 12/29/2010 | 12/29/2010 14:01 | 12/29/2010 14:15 | Emergency Procedures | Spinning: Spinning in MIDATL for Transmission Wylie Ridge 6 xfmr l/o Belmont-Harrison (due to Wylie Ridge 7 xfmr trip @ 1342) |

Shared Reserve (2 Events)

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| 12/7/2010 | 12/07/2010 20:28 | 12/07/2010 20:37 | Emergency Procedures | Shared Reserve: 250 MW with NYISO - Lawrenceburg 1/2 |
| 12/14/2010 | 12/14/2010 07:11 | 12/14/2010 07:22 | Emergency Procedures | Shared Reserve: 400 MW with NYISO - Low ace / transfers |

Cold Weather Alert (1 Events)

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| 12/13/2010 | 12/10/2010 09:55 | 12/13/2010 23:45 | Emergency Procedures | Emergency Procedure: Issued Cold Weather Alert beginning 09:30 for AEP - Control Zone, AP - Control Zone, ComEd - Control Zone, DAYTON - Control Zone, DLCO - Control Zone, Western - Region As of 09:30 hours, a Cold Weather Alert has been issued for 12/13/2010 Day Additional Comments: PJM issued a Cold Weather Alert for Day and Evening periods of Monday 12/13 for the following Transmission Zones: CE, AEP, DAYTON, AP, DUQ. Forecasted effective temperatures in the affected zones are CE (-5), AEP (6), Dayton (3), AP and DUQ (7). |
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Local Min Gen Event (1 Events)

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| 12/5/2010 | 12/04/2010 23:50 | 12/05/2010 08:06 | Emergency Procedures | Local Min Gen Event: Issued Local MinGen Event beginning 23:42 ComEd - Control Zone As of 23:42 a Local Minimum Generation Event has been issued for COMED. Control for 12204 Marengo Tap - Pleasant Valley loss of 345KV 15616 Cherry Valley - Silver Lake., Notes: Comed refused switching options due to lake effect snow in the area. |
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PCLLRW's (81Events: 0 Gen, 26 Switch, 55 Load)

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| 12/3/2010 | 12/03/2010 17:37 | 12/03/2010 21:09 | Emergency Procedures | PCLLRW of 5 MW in the Stonewall area of APS has been issued for Transmission Contingency Control. Additional Comments: Non-Market PCLLRW issued @ 17:40 for 5 MW's for Stephens-Stonewall for L/O Doubs-Mt. Storm 500kv Line. Post contingency switching: - Open 138kv Inwood cb @ Stonewall - Open 138kv Gore cb @ Stonewall - Open 138kv Sleepy Hollow @ Millville cb - APS to due further switching on under lying 34kv network Post Contingency Switching available |
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|---------------------------|---------------------|---------------------|--------------------------------------|---|
| 12/4/2010 | 12/04/2010 00:09 | 12/04/2010 07:39 | Emergency Procedures | PCLLRW of 37 MW in the Quince Orchard area of PEPCO has been issued for Transmission Contingency Control. Additional Comments: QuinceOrchard 118-iT transformer I/o QuinceOrchard-Belle's Mills 23031 line |
| 12/4/2010 | 12/04/2010 18:26 | 12/04/2010 20:31 | Emergency Procedures | PCLLRW of 15mw MW in the Inwood/Gore area of APS has been issued for Transmission Contingency Control. Post contingency switching: At Hampshire Open JST2JST3, Open RC1-RC2 and close 138KV JST3-RC2. Additional Comments: MP2 15mw PCLLRW Stephens - Stonewall loss of Doubs - Mt. Storm Post Contingency Switching available |
| 12/5/2010 | 12/05/2010 00:25 | 12/05/2010 05:42 | Emergency Procedures | PCLLRW of 25 MW in the Quince Orchard area of PECO has been issued for Transmission Contingency Control. Additional Comments: QuinceOrchard 118-iT transformer I/o QuinceOrchard-Belle's Mills 23031 line BES 2 facility |
| 12/5/2010 | 12/05/2010 16:42 | 12/05/2010 21:20 | Emergency Procedures | PCLLRW of 30 MW in the Hampshire area of APS has been issued for Transmission Contingency Control. Additional Comments: For Stephens-Stonewall 138KV thermal overload for I/o Doubs Mt Storm. Post Cont Switching Solution to open @ Hampshire JST2JST3 and RC1-RC2, and close JST3-RC2 Post Contingency Switching available |
| 12/6/2010 | 12/06/2010 02:47 | 12/06/2010 03:44 | Emergency Procedures | PCLLRW of 9 MW in the Lincoln area of FE (ME) has been issued for Transmission Contingency Control. Additional Comments: Lincoln Jct-Lincoln 115kv line for the I/o Brighton-Conastone 500kv line. Post contingency switching Open the Germantown 1B42 CB Reason: Post Contingency Switching available, Notes: Due to edart 401466 Lincoln 96262 CB etr 12/22/2010 - Opted not to switch pre-contingent due to cold temperatures. |
| 12/6/2010 | 12/06/2010 07:21 | 12/06/2010 13:57 | Emergency Procedures | PCLLRW of 50 MW MW in the Klines Mill, RedBud, W Winchester area of APS has been issued for Transmission Contingency Control. Additional Comments: for Post Contingency Low voltages on the 138 KV at Meadowbrook and adjacent stations for the loss of MeadowBrook-Greenland Gap 500KV. |
| 12/6/2010 | 12/06/2010 16:54 | 12/06/2010 23:01 | Emergency Procedures | PCLLRW of 35 mws MW in the Inwood area of APS has been issued for Transmission Contingency Control. Additional Comments: Post-contingency switching available., Notes: Bartonville-Stephens will be cleared under this PCLLRW |
| 12/6/2010 | 12/06/2010 17:08 | 12/06/2010 21:35 | Emergency Procedures | PCLLRW of 25mws MW in the Millville area of APS has been issued for Transmission Contingency Control. Additional Comments: For the loss of Doubs-Mt.Storm Post-contingency switching. Reason: Post Contingency Switching available |
| 12/6/2010 | 12/06/2010 23:24 | 12/07/2010 13:47 | Emergency Procedures | PCLLRW of 15 MW in the Ivyhill n- Reusens Area area of AEP has been issued for Transmission Contingency Control. Additional Comments: Post Contingency switching available Reason: Post Contingency Switching available |
| 12/7/2010 | 12/07/2010 07:43 | 12/07/2010 08:46 | Emergency Procedures | PCLLRW of 20 MW in the Millville area of APS has been issued for Transmission Contingency Control. Additional Comments: At 6:55 Issued a PCLLRW of 20 MW, with a post-contingency switching option for Millville-OldChapel, 138KV line, for the loss of Doubs-Mt-Storm 500KV. The Switching option is to open the Millville-Lovettsville 138 KV breaker at Millville, Open (at Hampshire)the 138KV JST2Jst3 and RC1-RC2 switches, and close 138 KV switch JST3RC2 at Hampshire. |
| 12/7/2010 | 12/07/2010 16:38 | 12/07/2010 22:42 | Emergency Procedures | PCLLRW of 40 MW in the Inwood,Gore,Feagans area of APS has been issued for Transmission Contingency Control. Additional |

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Comments: A post-contingency switching option for Stephens-Stonewall 138KV and Bartons-Stephens 138 KV for the loss of Doubs-Mt-Storm 500KV is to open the Millville-Lovettsville 138 KV breaker at Millville, Open (at Hampshire)the 138KV JST2Jst3 and RC1-RC2 switches, and close 138 KV switch JST3RC2 at Hampshire., Notes: The switching solution also controls Millville-Old Chapel lo Doubs-Mt. Storm and Bartonsville-Stephens lo Doubs-Mt. Storm. Both are MP1.

[12/7/2010](#) 12/07/2010 12/08/2010 [Emergency Procedures](#) PCLLRW of 24 MW in the GRANT area of AEP has been issued for Transmission Contingency Control. Additional Comments: Post-contingency thermal violation on Grant - Greentown 138kv line l/o Greentown - Hummel Creek 138kv line. Post-contingency switching available by opening the 138kv Reason: Post Contingency Switching available

[12/7/2010](#) 12/07/2010 12/08/2010 [Emergency Procedures](#) PCLLRW of 15 MW in the Ivyhill and Reusens area of AEP has been issued for Transmission Contingency control for Cloverdale - Ivyhill on L/O Joshua Falls 765/138 trans Additional Comments: Post Contingency switching available Reason: Post Contingency Switching available

[12/8/2010](#) 12/08/2010 12/08/2010 [Emergency Procedures](#) PCLLRW of 40 MW in the AP area of APS has been issued for Transmission Contingency Control. Additional Comments: As of 06:15 hours, a Non-Market PCLLRW of 40 MW in the Inwood,Gore,Feagans area of APS has been issued for Transmission Contingency Control. A post-contingency switching option for Stephens-Stonewall 138KV and Bartons-Stephens 138 KV for the loss of Doubs-Mt-Storm 500KV is to open the Millville-Lovettsville 138 KV breaker at Millville, Open (at Hampshire)the 138KV JST2Jst3 and RC1-RC2 switches, and close 138 KV switch JST3RC2 at Hampshire. The possibility s

[12/8/2010](#) 12/08/2010 12/08/2010 [Emergency Procedures](#) PCLLRW of 50 MW in the Millville area of APS has been issued for Transmission Contingency Control. Additional Comments: As of 06:55 hours, a PCLLRW of 50 MW in the Millville area of APS has been issued for Transmission Contingency Control Millville-Oldchapel for l/o Doubs-MtStorm. Additional Comments: At 6:55 Issued a PCLLRW of 50 MW, with a post-contingency switching option for Millville-OldChapel, 138KV line, for the loss of Doubs-Mt-Storm 500KV. The Switching option is to open the Millville-Lovettsville 138 KV breaker at Millville, Open (at Hampshire)the 138KV JST2Jst3 and R

[12/8/2010](#) 12/08/2010 12/08/2010 [Emergency Procedures](#) PCLLRW of 13 MW in the Hardy,Baker1 area of APS has been issued for Transmission Contingency Control. Additional Comments: Additional Comments: for Post Contingency Low voltages on the 138 KV Hardy and adjacent stations (MP2) for the l/o Hardy-Junction.Post contingency switching of opening the Hardy-Baker1 CB.

[12/8/2010](#) 12/08/2010 12/08/2010 [Emergency Procedures](#) PCLLRW of 45 MW in the MILLVILL, SLEEPYHO, LOVETTSV area of APS has been issued for Transmission Contingency Control. Additional Comments: A post-contingency switching option for Stephens-Stonewall 138KV, Bartons-Stephens 138 KV, and Stephens-Stonewall 138KV for the loss of Doubs-Mt-Storm 500KV is to open the Millville-Lovettsville 138 KV breaker at Millville, Open (at Hampshire)the 138KV JST2Jst3 and RC1-RC2 switches, and close 138 KV switch JST3RC2 at Hampshire. The possibility still remains of having to dump 45 MW of load in the area of MILLVILL, SLEEPYHO, LOVETTSV. Reason: Post Contingency Switching available

[12/8/2010](#) 12/08/2010 12/08/2010 [Emergency Procedures](#) PCLLRW of 20 MW in the Ivyhill - Reusens area of AEP has been issued for Transmission Contingency Control. Additional Comments:

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For the L/O the Joshua Falls 765/138 kV Trans Reason: Post Contingency Switching available

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|----------------------------|---------------------|---------------------|--------------------------------------|--|
| 12/9/2010 | 12/09/2010 00:46 | 12/09/2010 01:15 | Emergency Procedures | PCLLRW of 5mw MW in the Carnegie area of APS has been issued for Transmission Contingency Control. Additional Comments: PCLLRW 5mw for Carnegie - Tidd loss of Sammis - Wylie |
| 12/9/2010 | 12/09/2010 05:51 | 12/09/2010 08:30 | Emergency Procedures | PCLLRW of 15ms MW in the Inwood/Gore area of APS has been issued for Transmission Contingency Control. MP2 PCLLRW 15MW Stephens - Stonewall loss of Doubs - Mt. Storm Additional Comments: Post contingency switching: At Hampshire Open JST2JST3, Open RC1-RC2 and close 138KV JST3-RC2 |
| 12/9/2010 | 12/09/2010 06:30 | 12/09/2010 11:00 | Emergency Procedures | PCLLRW of 20 MW in the Ivy Hill area of AEP has been issued for Transmission Contingency Control. Additional Comments: This is to alleviate post-contingency overloads on loss of Joshua Falls 765-138kV transformer. |
| 12/9/2010 | 12/09/2010 07:04 | 12/09/2010 07:44 | Emergency Procedures | PCLLRW of 20 MW in the airco, arroyo area of APS has been issued for Transmission Contingency Control. Additional Comments: Wylie-Ridge #3 transformer I/o Tidd C 345/138 kv transformer, Notes: open the Smith CB at WylieRidge |
| 12/9/2010 | 12/09/2010 07:04 | 12/09/2010 09:49 | Emergency Procedures | PCLLRW of 15 MW in the Grant area of AEP has been issued for Transmission Contingency Control. Additional Comments: PCLLRW to control post-contingency overloads on Grant-Greentown 138kV line. Post contingency switching: open Deer Creek D 138kV CB. |
| 12/9/2010 | 12/09/2010 08:10 | 12/09/2010 11:00 | Emergency Procedures | PCLLRW of 5 MW in the Saltville area of AEP has been issued for Transmission Contingency Control. Additional Comments: PCLLRW to relieve Broadford-Saltville 2 138kV line and low voltages on loss of either Broadford-Saltville 1 line or the Broadford 765-138kV transformer. |
| 12/9/2010 | 12/09/2010 17:37 | 12/09/2010 23:46 | Emergency Procedures | PCLLRW of 35 MW in the INWOOD,FEAGANSM,GORE area of APS has been issued for Transmission Contingency Control. Additional Comments: A post-contingency switching option for Millville-Old Chapel 138KV, Bartons-Stephens 138 KV, and Stephens-Stonewall 138KV for the loss of Doubs-Mt-Storm 500KV is to open the Millville-Lovettsville 138 KV breaker at Millville, Open (at Hampshire)the 138KV JST2Jst3 and RC1-RC2 switches, and close 138 KV switch JST3RC2 at Hampshire. |
| 12/10/2010 | 12/09/2010 06:34 | 12/10/2010 03:40 | Emergency Procedures | PCLLRW of 20 MW in the Pipers Gap area of AEP has been issued for Transmission Contingency Control. Additional Comments: PCLLRW issued to control post-contingency low voltages in the Pipers Gap area on loss of Huffman-Pipers Gap 138kV line. Reason: Load - no generation or switching available |
| 12/10/2010 | 12/09/2010 06:38 | 12/10/2010 03:40 | Emergency Procedures | PCLLRW of 20 MW in the Hazard area of AEP has been issued for Transmission Contingency Control. Additional Comments: PCLLRW issued to correct post-contingency low voltages on loss of Hazard-Wooten 161kV line. Reason: Load - no generation or switching available |
| 12/10/2010 | 12/10/2010 04:44 | 12/10/2010 11:05 | Emergency Procedures | PCLLRW of 25mw MW in the Inwood/Gore area of APS has been issued for Transmission Contingency Control. Post contingency switching: At Hampshire Open JST2JST3, Open RC1-RC2 and close 138KV JST3-RC2. Additional step of opening the Lovettsville cb at Millville to aid the Millville-OldChapel I/o Doubs-Mt.Storm Additional Comments: MP2 PCLLRW 15MW Stephens - Stonewall loss of Doubs - Mt. Storm |
| 12/10/2010 | 12/10/2010 09:09 | 12/10/2010 11:10 | Emergency Procedures | PCLLRW of 40 MW in the Fort Robison area of AEP has been issued for Transmission Contingency Control. Additional Comments: |

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This is to control post-contingency low voltages for loss of Nagel #3 transformer., Notes: Wolf Hills CTs were unable to start.

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| 12/10/2010 | 12/10/2010 17:05 | 12/10/2010 20:37 | Emergency Procedures | PCLLRW of 35 MW in the MILLVILL, SLEEPYHO,FEAGANSM area of APS has been issued for Transmission Contingency Control. Additional Comments: A post-contingency switching option for Millville-Old Chapel 138KV, Bartons-Stephens 138 KV, and Stephens-Stonewall 138KV for the loss of Doubs-Mt-Storm 500KV is to open the Millville-Lovettsville 138KV breaker at Millville and open the 138KV Inwood CB at Stonewall. |
| 12/11/2010 | 12/11/2010 09:21 | 12/11/2010 22:01 | Emergency Procedures | PCLLRW of 10mw MW in the Stephens-Stonewall area of APS has been issued for Transmission Contingency Control. Additional Comments: Post contingency switching solution - open Lovettsville CB @ Millville and open the Inwood CB @ Stonewall |
| 12/12/2010 | 12/06/2010 08:10 | 12/12/2010 03:40 | Emergency Procedures | PCLLRW of 10 MW in the Kincaida area of AEP has been issued for Transmission Contingency Control. Additional Comments: Kanawha River-Kincaida 138 kV line for the loss of the Kanawha River-Bradley 138 kV line. Post-Contingency Switching is being studied by PJM and AEP. Currently, load must be shed in the Kincaida area. Reason: Post Contingency Switching available |
| 12/12/2010 | 12/12/2010 17:13 | 12/12/2010 22:38 | Emergency Procedures | PCLLRW of 25mw MW in the Stephens-Stonewall area of APS has been issued for Transmission Contingency Control. Additional Comments: Post contingency switching solution - Open the Lovettsville CB @ Millville and open the RC1-RC2 and JST2JST3 switches and close the JST3-RC2 switch @ Hampshire. |
| 12/13/2010 | 12/13/2010 07:56 | 12/13/2010 10:25 | Emergency Procedures | PCLLRW of 10 MW in the Stephens-Stonewall area of APS has been issued for Transmission Contingency Control. Additional Comments: Post Contingency switching solution - open Lovettsville CB @ Millville and open Inwood CB @ Stonewall. |
| 12/13/2010 | 12/13/2010 17:10 | 12/13/2010 19:35 | Emergency Procedures | PCLLRW of 20 MW in the Halfway area of APS has been issued for Transmission Contingency Control. Additional Comments: l/o Bedington-Doubs Reason: Load - no generation or switching available |
| 12/13/2010 | 12/13/2010 18:22 | 12/13/2010 20:27 | Emergency Procedures | PCLLRW of 15 MW in the Cresent area of DLCO (Duquesne) has been issued for Transmission Contingency Control. Additional Comments: Contingency is the Crescent T1 345/138 kV transformer for the loss of the Crescent T2 345/138 kV transformer. Reason: Load - no generation or switching available, Notes: 12/13/2010 18:45 Added post contingent switching of opening Crescent 1-3 138kv CB and the SEW143_2 138kv CB., 12/13/2010 18:28 Elram-Mitchel conflicting constraint - using manual dispatch on Elrama units to try to balance both contingencies. |
| 12/13/2010 | 12/13/2010 19:05 | 12/13/2010 19:20 | Emergency Procedures | PCLLRW of 5 MW in the Lake Nelson area of PSEG has been issued for Transmission Contingency Control. Additional Comments: slow generation response Reason: Generation - slow response |
| 12/13/2010 | 12/13/2010 21:59 | 12/13/2010 23:49 | Emergency Procedures | PCLLRW of 15 MW in the Lincoln area of FE (ME) has been issued for Transmission Contingency Control. |
| 12/14/2010 | 12/13/2010 10:16 | 12/14/2010 15:07 | Emergency Procedures | PCLLRW of 40mw MW in the Kincaid area of AEP has been issued for Transmission Contingency Control. Additional Comments: Kanawha River 138kv l/o Bradley-Kanawha River 138kv, Notes: 18:20 Post contingency AEP will open 138KV B breaker at Hinton. |
| 12/14/2010 | 12/13/2010 16:33 | 12/14/2010 23:59 | Emergency Procedures | PCLLRW of 35 MW in the Millville, Sleepy Hollow area of APS has been issued for Transmission Contingency Control. Additional Comments: L/o Doubs-Mt Storm, post contingency switching open the Millville-Lovettsville 138KV breaker at Millville and open the 138KV Inwood CB at Stonewall Reason: Post Contingency Switching available, Notes: Added post contingency switching to |

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Open Hampshire JST2JST3 and RC1-RC2 and close JST3-RC2 to reach needed relief.

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| 12/14/2010 | 12/14/2010 01:40 | 12/14/2010 05:17 | Emergency Procedures | PCLLRW of 8 MW in the Centerville area of AEP has been issued for Transmission Contingency Control. Additional Comments: For the loss of Joshua Falls 765-138kv xfmr. Reason: Load - no generation or switching available |
| 12/14/2010 | 12/14/2010 06:45 | 12/14/2010 21:02 | Emergency Procedures | PCLLRW of 9mw MW in the Grant area of AEP has been issued for Transmission Contingency Control. Additional Comments: Grant-Greentown 138kv I/o Greentown-Hummel Creek 138kv; post contingency switching @ Deer Creek opening 138kv Mullin 'D' CB Reason: Post Contingency Switching available |
| 12/14/2010 | 12/14/2010 07:22 | 12/14/2010 07:45 | Emergency Procedures | PCLLRW of 26 MW in the Lincoln, Straban area of FE (ME) has been issued for Transmission Contingency Control. No post contingency switching available, all available generation on-line Additional Comments: PCLLRW 26 mw for Lincoln-Lincolnjct I/o Brighton-Conastone Reason: Load - no generation or switching available |
| 12/14/2010 | 12/14/2010 07:22 | 12/14/2010 08:48 | Emergency Procedures | PCLLRW of 10 MW in the Turner area of Dominion has been issued for Transmission Contingency Control. Additional Comments: Chesterfield-Turner 92A I/o Lanexa-Northernneck 224 line. |
| 12/14/2010 | 12/14/2010 11:24 | 12/14/2010 20:12 | Emergency Procedures | PCLLRW of 30mw MW in the Kanawha River area of AEP has been issued for Transmission Contingency Control. Additional Comments: Kanawha River B xfmr 345/138kv I/o Kanawha River-Matt Funk 345kv; post contingency switching opening Hinton 138kv CB 'B' |
| 12/14/2010 | 12/14/2010 16:46 | 12/14/2010 21:11 | Emergency Procedures | PCLLRW of 15 MW in the Oak Park area of APS has been issued for Transmission Contingency Control. Additional Comments: I/o Alright-Mt Zion Reason: Load - no generation or switching available |
| 12/14/2010 | 12/14/2010 17:08 | 12/14/2010 21:58 | Emergency Procedures | PCLLRW of 25 MW in the Waugh Chapel area of BGE has been issued for Transmission Contingency Control. Additional Comments: For Waugh Chapel 2 or 3 trans, one on loss of the other., Notes: Changed to 50 MW at 1731 hrs |
| 12/14/2010 | 12/14/2010 17:17 | 12/14/2010 18:06 | Emergency Procedures | PCLLRW of 25 MW in the Collins Ferry area of APS has been issued for Transmission Contingency Control. Additional Comments: I/o Hatfield-Ronco Reason: Load - no generation or switching available |
| 12/14/2010 | 12/14/2010 17:34 | 12/14/2010 21:40 | Emergency Procedures | PCLLRW of 50 MW in the Arsenal area of DLCO (Duquesne) has been issued for Transmission Contingency Control. Additional Comments: I/o ARSENAL-BRUNOTIS Reason: Load - no generation or switching available, Notes: PCLLRW will cover I/o Arsenal-Carson also. |
| 12/15/2010 | 12/13/2010 18:41 | 12/15/2010 00:55 | Emergency Procedures | PCLLRW of 15 MW in the Mt Zion, West VACO area of APS has been issued for Transmission Contingency Control. Additional Comments: I/o Meadowbrook-Greenland Gap 500kv line |
| 12/15/2010 | 12/14/2010 14:04 | 12/15/2010 00:55 | Emergency Procedures | PCLLRW of 10 MW in the Halfway area of APS has been issued for Transmission Contingency Control. Additional Comments: I/o Beddington-Doubs 500kv line, Notes: Post contingency switching added - At Ringgold 138kv open the Reid CB |
| 12/15/2010 | 12/15/2010 01:06 | 12/15/2010 12:32 | Emergency Procedures | PCLLRW of 8 MW in the Centerville area of AEP has been issued for Transmission Contingency Control. Additional Comments: for the loss of Joshua Falls 765-138kv xfmr |
| 12/15/2010 | 12/15/2010 06:16 | 12/15/2010 08:01 | Emergency Procedures | PCLLRW of 20 MW in the Bestgate area of BGE has been issued for Transmission Contingency Control. Additional Comments: Waughchapel 230/115kv Tx.#2 I/o Tx.#3. |

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|----------------------------|---------------------|---------------------|--------------------------------------|--|
| 12/15/2010 | 12/15/2010 06:39 | 12/15/2010 12:35 | Emergency Procedures | PCLLRW of 20MW MW in the Grant area of AEP has been issued for Transmission Contingency Control. Additional Comments: Grant-Greentown 138kv I/o Dumont xfmr 2 765/345kv; post contingency switching at Deer Creek 138kv CB 'D' |
| 12/15/2010 | 12/15/2010 06:40 | 12/15/2010 13:07 | Emergency Procedures | PCLLRW of 40 MW in the Sleepy Hollow - Millville area of APS has been issued for Transmission Contingency Control. Additional Comments: Post Contingency switching solution - open Lovettsville CB @ Millville and open Inwood CB @ Stonewall. Additional relief can be provided by opening the RC1-RC2 and JST2JST3 switches and close the JST3-RC2 switch @ Hampshire. |
| 12/15/2010 | 12/15/2010 07:19 | 12/15/2010 08:54 | Emergency Procedures | PCLLRW of 10 MW in the Albright - Mt.Zion area of APS has been issued for Transmission Contingency Control. Additional Comments: No switching solution currently exist Reason: Load - no generation or switching available |
| 12/15/2010 | 12/15/2010 07:51 | 12/15/2010 08:09 | Emergency Procedures | PCLLRW of 10 MW in the Lincoln area of FE (ME) has been issued for Transmission Contingency Control. No post contingency switching available, all available generation on-line Additional Comments: PCLLRW 10 mw for Lincoln-Lincolnjct I/o Brighton-Conastone Reason: Load - no generation or switching available |
| 12/15/2010 | 12/15/2010 16:14 | 12/15/2010 23:42 | Emergency Procedures | PCLLRW of 35 MW in the Millville area of APS has been issued for Transmission Contingency Control. Additional Comments: I/o Doubs-Mt Storm 500kv Post contingency switching open the Millville-Lovettsville 138KV breaker at Millville and open the 138KV Inwood CB at Stonewall Reason: Post Contingency Switching available |
| 12/15/2010 | 12/15/2010 16:40 | 12/15/2010 23:41 | Emergency Procedures | PCLLRW of 20 MW in the Halfway area of APS has been issued for Transmission Contingency Control. Additional Comments: I/o of Bedington-Doubs Reason: Load - no generation or switching available |
| 12/15/2010 | 12/15/2010 17:01 | 12/15/2010 23:59 | Emergency Procedures | PCLLRW of 15 MW in the Mt Zion area of APS has been issued for Transmission Contingency Control. Additional Comments: I/o Meadowbrook-Greenland Gap 500kv line or Greenland Gap-Mt Storm Reason: Post Contingency Switching available |
| 12/16/2010 | 12/16/2010 06:43 | 12/16/2010 08:07 | Emergency Procedures | PCLLRW of 20 MW in the Bestgate area of BGE has been issued for Transmission Contingency Control. Additional Comments: Waughchapel 230/115kv Tx.#2 I/o Tx.#3 |
| 12/16/2010 | 12/16/2010 06:49 | 12/16/2010 08:37 | Emergency Procedures | PCLLRW of 40 MW in the Stephen area of APS has been issued for Transmission Contingency Control. Reason: Load - no generation or switching available |
| 12/16/2010 | 12/16/2010 07:43 | 12/16/2010 08:59 | Emergency Procedures | PCLLRW of 10 MW in the Halfway area of APS has been issued for Transmission Contingency Control. Reason: Load - no generation or switching available |
| 12/16/2010 | 12/16/2010 09:59 | 12/16/2010 11:33 | Emergency Procedures | PCLLRW of 2 MW in the Halfway area of APS has been issued for Transmission Contingency Control. Reason: Load - no generation or switching available |
| 12/16/2010 | 12/16/2010 14:55 | 12/16/2010 17:32 | Emergency Procedures | PCLLRW of 50 MW in the Wylie Ridge area of N/A has been issued for Transmission Contingency Control. Additional Comments: Wylie Ridge 7xfmr I/o Belmont-Harrison & Wylie Ridge 6xfmr I/o Wylie Ridge 7 & 8 Reason: Generation - slow response, Notes: AP study unable to get 50mw relief - Lowered PCLLRW to 20mw. |
| 12/16/2010 | 12/16/2010 17:02 | 12/16/2010 20:03 | Emergency Procedures | PCLLRW of 25 MW in the Waugh Chapel area of BGE has been issued for Transmission Contingency Control. Additional Comments: For Waugh Chapel 3 trans on L/O Waughel Chapel 2 trans or 2 trans on L/O 3 trans |
| 12/17/2010 | 12/16/2010 05:42 | 12/17/2010 01:37 | Emergency Procedures | PCLLRW of 15 MW in the Millville area of APS has been issued for Transmission Contingency Control. Additional Comments: Overload |

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| | | | | on the Millville-Old Chapel 138 kV line for the loss of Doubs-Mt Storm 500 kV line. Post Contingency switching solution: Open the 138 kV Lovettsville breaker at Millville, Open the 138 kV Inwood breaker at Stonewall, if necessary open the normally open air switches at Hampshire and close only the air switch that ties the Hampshire-Gore 138 kV line with the Hampshire-Meadowbrook 138 kV line. Reason: Post Contingency Switching available |
| 12/17/2010 | 12/16/2010 23:53 | 12/17/2010 02:52 | Emergency Procedures | PCLLRW of 40 MW in the ErieW, Springboro, Fairview, Edinboro area of FE (PN) has been issued for Transmission Contingency Control. Additional Comments: PCLLRW issued of 40 MW for ErieW#1 Xfrm for loss of Erie W-Erie S 230 KV line. Reason: Load - no generation or switching available |
| 12/17/2010 | 12/17/2010 06:31 | 12/17/2010 11:10 | Emergency Procedures | PCLLRW of 50 MW in the Mill vill area of APS has been issued for Transmission Contingency Control. Additional Comments: Post Contingency switching solution: Open the 138 kV Lovettsville breaker at Millville, Open the 138 kV Inwood breaker at Stonewall, if necessary open the normally open air switches at Hampshire and close only the air switch that ties the Hampshire-Gore 138 kV line with the Hampshire-Meadowbrook 138 kV line. |
| 12/17/2010 | 12/17/2010 10:09 | 12/17/2010 10:21 | Emergency Procedures | PCLLRW of 225 MW in the Meadow Brook area of APS has been issued for Transmission Contingency Control. Additional Comments: For post contingency low voltage at Meadow Brook and Greenland gap. Post contingency solution, adjust load tap changers at Meadow Brook and bring on 138 kv caps as required. Reason: Load - no generation or switching available |
| 12/18/2010 | 12/18/2010 07:33 | 12/18/2010 23:59 | Emergency Procedures | PCLLRW of 20 MW in the Hazard area of AEP has been issued for Transmission Contingency Control. Additional Comments: PCLLRW issued to control post-contingency voltages in Hazard area for loss of Hazard-Wooten 161kV line. Reason: Load - no generation or switching available |
| 12/19/2010 | 12/19/2010 09:03 | 12/19/2010 13:20 | Emergency Procedures | PCLLRW of 30 MW in the Huffman area of AEP has been issued for Transmission Contingency Control. Additional Comments: Post Contingency Voltage drops at Huffman, Piper's Gap and Jubalear l/o Jackson's Ferry-Huffman |
| 12/19/2010 | 12/19/2010 20:50 | 12/19/2010 22:10 | Emergency Procedures | PCLLRW of 10 MW in the MILLVILL area of APS has been issued for Transmission Contingency Control. Additional Comments: A post-contingency switching option for Millville-Old Chapel 138KV, Bartons-Stephens 138 KV, and Stephens-Stonewall 138KV for the loss of Doubs-Mt-Storm 500KV is to open the Millville-Lovettsville 138 KV breaker at Millville, Open (at Hampshire)the 138KV JST2Jst3 and RC1-RC2 switches, and close 138 KV switch JST3RC2 at Hampshire. |
| 12/20/2010 | 12/19/2010 17:14 | 12/20/2010 21:05 | Emergency Procedures | PCLLRW of 30 MW in the Huffman area of AEP has been issued for Transmission Contingency Control. Additional Comments: Post Contingency volt drop over load dump in the Huffman and Piper's Gap area l/o Jackson's Ferry-Huffman. |
| 12/20/2010 | 12/20/2010 07:16 | 12/20/2010 10:23 | Emergency Procedures | PCLLRW of 5 MW in the Millville area of APS has been issued for Transmission Contingency Control. Additional Comments: This is to relieve post-contingency flow on Millville-Old Chapel. |
| 12/20/2010 | 12/20/2010 12:48 | 12/20/2010 13:00 | Emergency Procedures | PCLLRW of 20 MW in the Hardy-Mettiki area of APS has been issued for Transmission Contingency Control. Additional Comments: PCLLRW to control non-market post-contingency voltages between Hardy and Mettiki. Reason: Load - no generation or switching available |
| 12/22/2010 | 12/22/2010 07:33 | 12/22/2010 22:12 | Emergency Procedures | PCLLRW of 10 MW in the Hardy area of APS has been issued for Transmission Contingency Control. Additional Comments: This |

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PCLLRW is to restore voltage on non-market facilities following the loss of the Hardy-Junction 138kV line.

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| 12/26/2010 | 12/26/2010 | 12/26/2010 | Emergency Procedures | PCLLRW of 15 MW in the Gillette area of FE (JC) has been issued for Transmission Contingency Control. Additional Comments: Bridgewater-Middlesex I1023 I/o Smithburg-E.Windsor E2005 line. |
| | 17:30 | 20:18 | | |

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| 12/31/2010 | 12/26/2010 | 12/26/2010 | Emergency Procedures | PCLLRW of 20 MW in the Huffman area of AEP has been issued for Transmission Contingency Control. Additional Comments: PCLLRW issued to control non-market facility post-contingency low voltages on loss of Jacksons Ferry-Huffman 138kV line. Reason: Load - no generation or switching available |
| | 18:31 | 21:00 | | |