

System Operations Subcommittee
PJM Operations Summary
April 2011 (for March 2011 Operations)

PJM RTO CPS1 136.5%; BAAL 99.6% (NERC 100%); (CPS2 90.6%); DCS No Event

100% Spinning (1 Event)

<u>3/30/2011</u>	<u>3/30/2011</u> 15:13	<u>3/30/2011</u> 15:25	Spinning	Spinning in RFC for Unit Trip LAWRENCEBURG CC 1 & 2 tripped due to blown fuse in the DC cabinet.
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Shared Reserve (1 Events)

<u>3/18/2011</u>	<u>3/18/2011</u> 16:08	<u>3/18/2011</u> 16:21	Shared Reserve	MW with NYISO -112 - Regulation - Phase 2 loaded at 770mw
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Min Generation Alert (1 Event)

<u>3/18/2011</u>	<u>3/18/2011</u> 0:02	<u>3/18/2011</u> 5:48	Min Gen Alert	As of 23:55 hours, a Minimum Generation Alert has been issued for the Midnight of 03/18/2011 Expected generation level is within 2401 MW of normal minimum energy limits. Additional Comments: PJM has issued a minimum generation alert for the entire PJM RTO over the midnight period of Friday, March 18, 2011. The adjusted minimum generation is 56839. The valley load estimate is 59240. The e-dart report number is 31849.
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PCLLRW's (24 Events: 1 Gen, 8 Switch, 14 Load)

<u>3/1/2011</u>			Non-Market Post Contingency Local Load Relief Warn	PCLLRW of 15 MW in the Enon area of APS has been issued for Transmission Contingency Control. Additional Comments: Issued for Post contingency low voltage at Enon over LD (MP2). Note: There is a coal mine tapped off Enon that will trip on low voltage.
	<u>3/1/2011</u> 18:42	<u>3/2/2011</u> 4:28		
<u>3/9/2011</u>			Non-Market Post Contingency Local Load Relief Warn	PCLLRW of 5 MW in the Columbia area of AEP has been issued for Transmission Contingency Control. Additional Comments: PCLLRW issued @ 00:04 for 5MW's for Huntington-Sorenson for L/O Dumont #2 TX. Post contingency switching: - Open 138kv L2 cb @ Sorenson
	<u>3/9/2011</u> 0:07	<u>3/9/2011</u> 4:45		
<u>3/9/2011</u>			Non-Market Post Contingency Local Load Relief Warn	PCLLRW of 29 MW in the Sorenson area of AEP has been issued for Transmission Contingency Control. Additional Comments: open the L2 CB @ Sorenson post contingency
	<u>3/9/2011</u> 16:54	<u>3/9/2011</u> 20:29		
<u>3/7/2011</u>			Non-Market Post Contingency Local Load Relief Warn	PCLLRW of 35 MW in the Brues area of AEP has been issued for Transmission Contingency Control. Additional Comments: Post contingency switching of 69kv cap at Brues should occur..
	<u>3/7/2011</u> 13:25	<u>3/11/2011</u> 17:39		
<u>3/14/2011</u>			Non-Market Post Contingency Local Load Relief Warn	PCLLRW of 27 MW in the Mulberry, Ross area of AEP has been issued for Transmission Contingency Control. Additional Comments: Post Contingency low voltage in DupontSCS, Mulberry, Delano, kenworth, Clayborn, Ross and Scioto areas l/o Mulberry-Waverly. post contingency AEP will put capacitors in at either Ross or Circleville. Pre contingency voltage is too high
	<u>3/14/2011</u> 10:53	<u>3/14/2011</u> 23:26		
<u>3/15/2011</u>			Non-Market Post Contingency	PCLLRW of 28 MW in the Mulberry area of AEP has been issued for Transmission Contingency Control. Additional Comments: Post Contingency low voltage in DupontSCS,
	<u>3/15/2011</u> 5:39	<u>3/15/2011</u> 16:07		

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			Local Load Relief Warn	Mulberry, Delano, kenworth, Clayborn, Ross and Scioto areas l/o Mulberry-Waverly. post contingency AEP will put capacitors in at Ross. Pre contingency voltage is too high.
<u>3/21/2011</u>				PCLLRW of 25 MW in the Dubois area of FE (PN) has been issued for Transmission Contingency Control. Additional Comments: for Market Priority 1 & 2 Post Contingency Low Voltages @ Dubois, Rockton Mountain, Shawville, Harvey Run, Bioenergy, Williamette, Elko, Carbon Central, and Shingletown stations for the loss of Lewistown - Shingletown 230kv line. Originally closed @ 09:36 and reactivated @ 09:44 due to loss of generation.
	3/21/2011 9:56	3/21/2011 18:43	Non-Market Post Contingency Local Load Relief Warn	
<u>3/24/2011</u>			Non-Market Post Contingency Local Load Relief Warn	PCLLRW of 10 MW in the Huffman and Pipers Gap area of AEP has been issued for Transmission Contingency Control. Additional Comments: For low voltage at Huffman and Pipers Gap. Post contingency capacitors will switch in service at Galaxy in auto.
	3/24/2011 7:48	3/24/2011 15:19	Non-Market Post Contingency Local Load Relief Warn	
<u>3/23/2011</u>	<u>3/23/2011 17:54</u>	<u>3/24/2011 15:19</u>	Non-Market Post Contingency Local Load Relief Warn	PCLLRW of 10MW MW in the Huntington area of AEP has been issued for Transmission Contingency Control. Additional Comments: Huntington-Sorenson 138KV L/O Dumont-Greentown 765KV, post contingency switching opening Hummel Creek 138KV Rock Creek CB 'B'
<u>3/2/2011</u>	<u>3/2/2011 6:47</u>	<u>3/2/2011 12:53</u>	Post Contingency Local Load Relief Warning	PCLLRW of 60 MW in the Earlys area of Dominion has been issued for Transmission Contingency Control. Additional Comments: This is to relieve post-contingency low voltages on loss of Septa-Fentress 500kv line. Loads will need to be shed at Nucor, Scotland, Earlys, and Kelford.
<u>3/3/2011</u>	<u>3/3/2011 7:17</u>	<u>3/3/2011 9:26</u>	Post Contingency Local Load Relief Warning	PCLLRW of 20 MW in the Bremono area of Dominion has been issued for Transmission Contingency Control. Additional Comments: Post Contingency low voltage Columbi4, James River, Trices Lake, Cunningham, Bremono area l/o Bremono 230/115 KV #9 transformer
<u>3/4/2011</u>	<u>3/4/2011 8:58</u>	<u>3/4/2011 9:43</u>	Post Contingency Local Load Relief Warning	PCLLRW of 15 MW in the Susquehanna area of PPL has been issued for Transmission Contingency Control. Additional Comments: PCLLRW to alleviate overload on Susquehanna 21 transformer on loss of Sunbury 24 Transformer.
<u>3/7/2011</u>	<u>3/7/2011 0:20</u>	<u>3/7/2011 4:15</u>	Post Contingency Local Load Relief Warning	PCLLRW of 5 MW in the Bethlehem area of AEP has been issued for Transmission Contingency Control. Additional Comments: PCLLRW issued for 5MW's @ 00:20 for Brues - W.Bellair for L/O Ormet #1 138kv Line. Post Contingency Switching: Open 138kv CB Reason: Post Contingency Switching available
<u>3/14/2011</u>	<u>3/14/2011 10:46</u>	<u>3/14/2011 11:17</u>	Post Contingency Local Load Relief Warning	PCLLRW of 15MW's MW in the Green Street area of BGE has been issued for Transmission Contingency Control. Additional Comments: Green Street-Westport 110554 line for the l/o 110553 Warning reduced to 15MW's @ 11:05 Reason: Load - no generation or switching available
<u>3/16/2011</u>	<u>3/16/2011 9:53</u>	<u>3/16/2011 14:11</u>	Post Contingency Local Load Relief Warning	PCLLRW of 21 MW in the Mulberry, Ross area of AEP has been issued for Transmission Contingency Control. Additional Comments: Post contingency low voltage in Dupontcs, Scippo, Mulberry, Delano, Kenworth, Clayburn and Ross areas l/o Mulberry-Waverly AEP will put cap in at Ross post contingency Reason: Load - no generation or switching available

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<u>3/20/2011</u>	3/20/2011 20:05	3/20/2011 22:35	<u>Post</u> <u>Contingency</u> <u>Local Load</u> <u>Relief</u> <u>Warning</u>	PCLLRW of 25 MW in the Shingletown area of APS has been issued for Transmission Contingency Control. Additional Comments: This is to correct post-contingency low voltages in Shawville, Elko, Carbon Central, Forest, and Bioenergy stations on loss of Lewistown-Shingletown 230kV line.
<u>3/23/2011</u>	3/23/2011 12:20	3/23/2011 14:38	<u>Post</u> <u>Contingency</u> <u>Local Load</u> <u>Relief</u> <u>Warning</u>	PCLLRW of 16mw MW in the Roche Vitamin, Cabot, Eureka, Pleasants, and Cytec area of APS has been issued for Transmission Contingency Control. Additional Comments: Post Contingency switching solution is to open the Middlebourne CB @ Willow Island station. Also, testing generation - Pleasants 2 - will reduce output post contingency. Reason: Generation - slow response
<u>3/23/2011</u>	3/23/2011 16:01	3/23/2011 21:03	<u>Post</u> <u>Contingency</u> <u>Local Load</u> <u>Relief</u> <u>Warning</u>	PCLLRW of 12MW MW in the New Liberty area of AEP has been issued for Transmission Contingency Control. Additional Comments: E Lima-New Liberty 138kv I/o E Lima-Fostoria 345kv; post contingency switching @ E Lima opening 345KV CB 'P'
<u>3/25/2011</u>	3/25/2011 7:53	3/25/2011 8:48	<u>Post</u> <u>Contingency</u> <u>Local Load</u> <u>Relief</u> <u>Warning</u>	PCLLRW of 29 MW in the Dunnsville area of Dominion has been issued for Transmission Contingency Control. Additional Comments: SA Voltage Drop Reason: Load - no generation or switching available