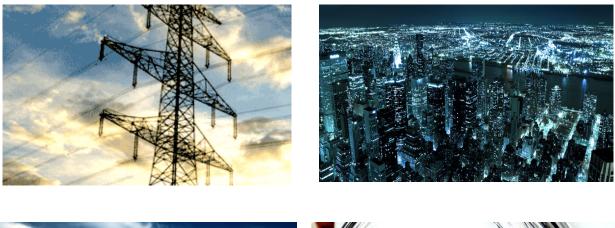
Operations Performance Metrics Monthly Report





January 2011 Report

Operations & Reliability Department New York Independent System Operator

Prepared by NYISO Operations Analysis and Services, based on settlements initial invoice data obtained on or before February 9.



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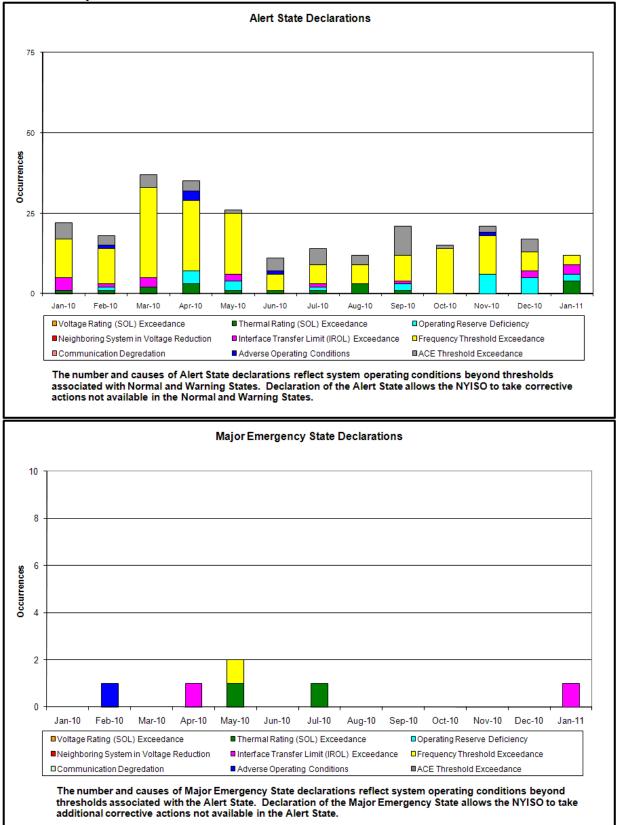


January 2011 Operations Performance Highlights

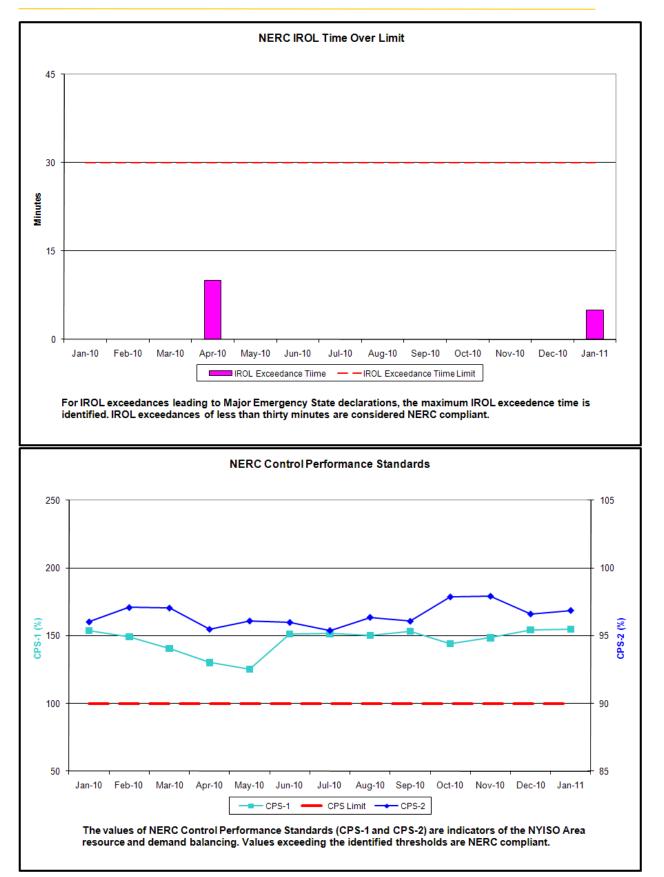
- Peak load of 24,342 MW occurred on January 24 for hour beginning 18
- Monthly Uplift Drivers Increased Balancing Market Congestion Residual Costs
 - Forced Outage of Leeds-Hurley 345kV circuit
 - 2 days to return to service
 - Scheduled Outage of Rochester-Pannell Road 345kV circuit
 - Impacted by Lake Erie Loop flows
 - ISO/RG&E actions to mitigate congestion
 - Increased Clockwise Lake Erie Loop Flows
 - Increased IESO to MISO exports
 - Decreased PJM to MISO exports
 - PJM outage limited Ramapo 500kV intertie flows
 - Modifying Day-Ahead scheduling of Ramapo 500kV intertie flows to better reflect expected Real-Time operations
- Power Supplier Uplift charts now include Import Guarantee payments from December 2010 and beyond.



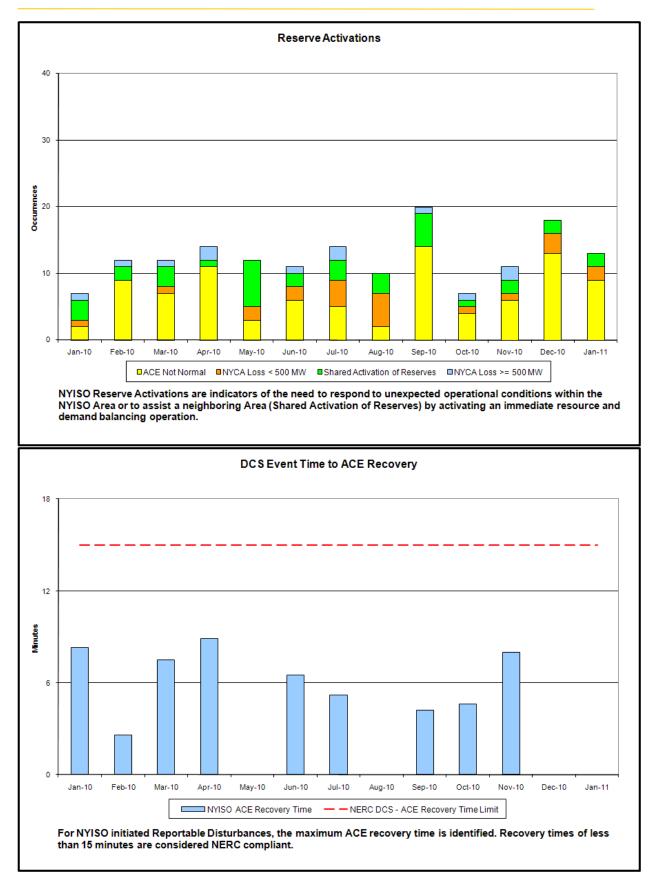
• Reliability Performance Metrics



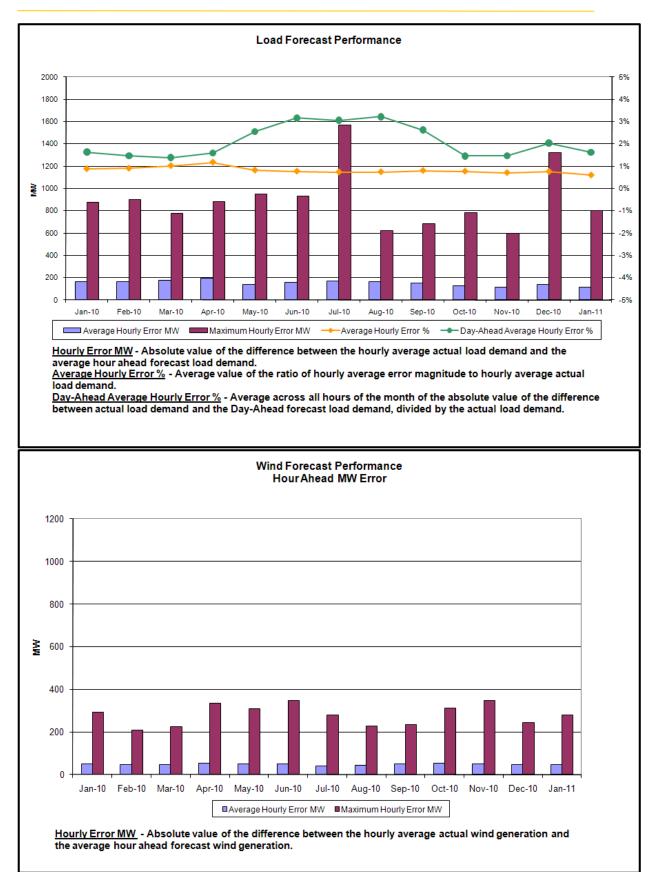




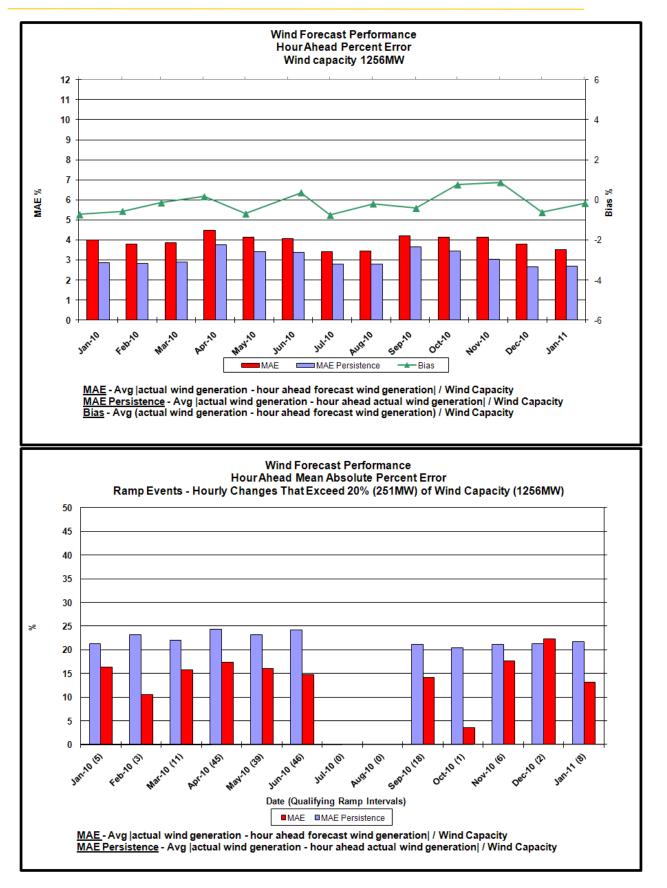




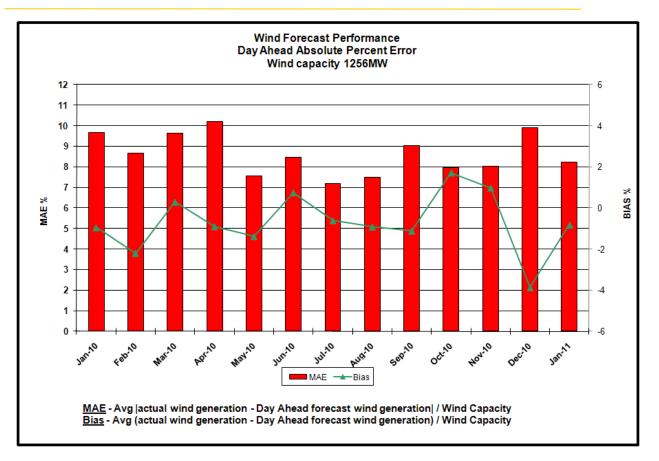




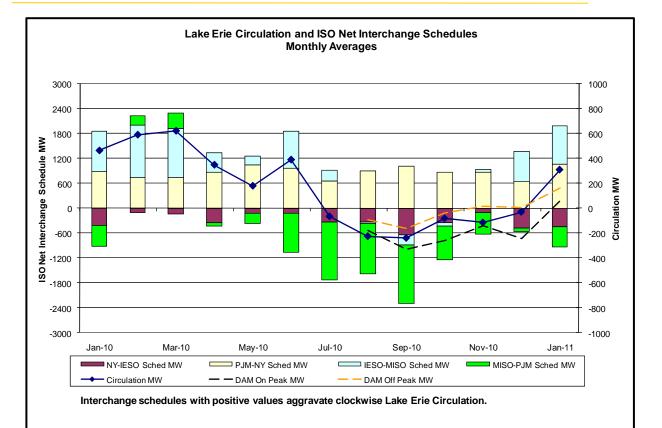


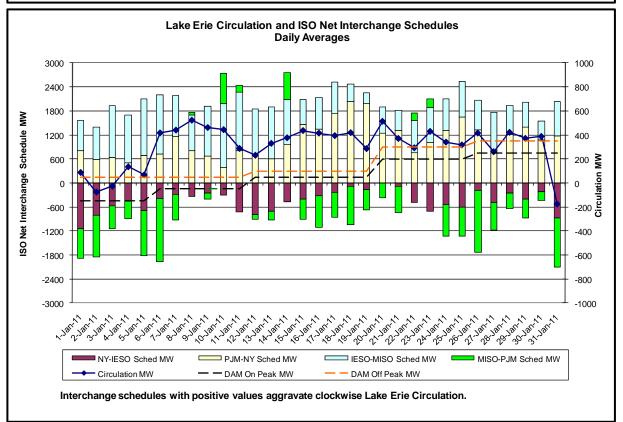






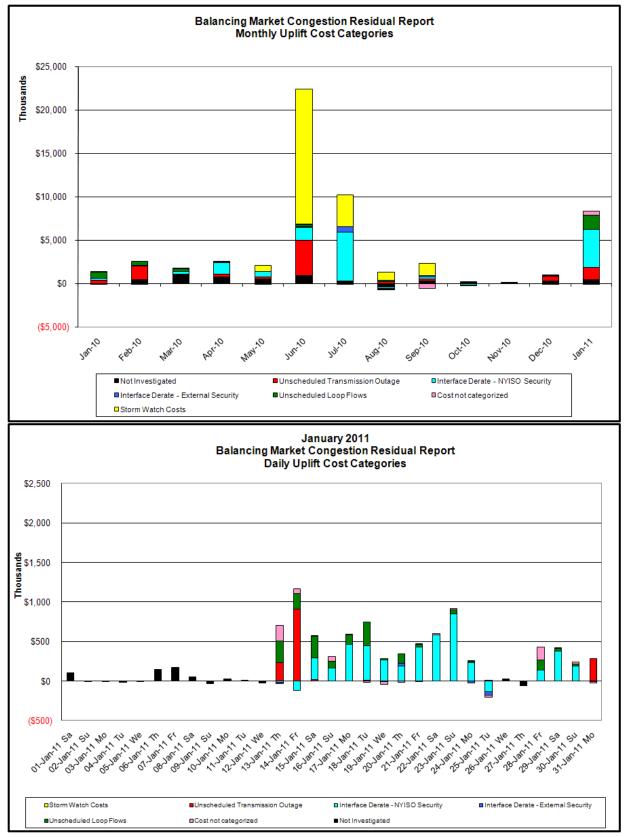








Market Performance Metrics





Day's ir	Day's investigated in January:13,14,15,16,17,18,19,20,21,22,23,24,25,28,29,30,31								
Event	Date (yyyyr	Hours	Description						
	1/13/2011		Forced outage Roseton-Hurley Avenue 345kV (#303)						
	1/13/2011	,	NYCA DNI Ramp Limit						
	1/13/2011		PJM DNI Ramp Limit						
	1/13/2011		Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Central East						
	1/14/2011		Forced outage Roseton-Hurley Avenue 345kV (#303)						
	1/14/2011 1/14/2011		NYCA DNI Ramp Limit Uprate Central East						
	1/14/2011		Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Central East						
	1/14/2011	0,0,11	Forced outage Watercure-Homer City 345kV (#30), Watercure-Oakdale 345kV (#31),						
	1/15/2011	8-10	Watercure-Oakdale 230kV (#71), Watercure-Hillside 230kV (#69)						
	1/15/2011		Derate Astoria East/Corona/Jamaica, Corona PAR inoperable						
	1/15/2011	19,22	Derate Central East						
	1/15/2011	8-9	Derate East Garden City-Valley Stream 138kV (#262) for I/o Freeport-Newbridge 138kV (#461)						
	1/15/2011	1-3,5,8-11,13,15,22-23	Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Central East						
		0-2,4-11,13-14,							
	1/16/2011		Derate Central East						
	1/16/2011		Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Central East						
	1/17/2011		2 Derate Central East						
	1/17/2011		Derate West Central						
	1/17/2011		NYCA DNI Ramp Limit						
	1/17/2011		Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Central East						
	1/17/2011 1/18/2011		Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; West Central Extended outage Mott Haven-Dunwoodie 345kV (#71)						
	1/18/2011		Derate Dysinger East						
	1/18/2011	, ,	Derate West Central						
	1/18/2011		Derate Viest Central Derate Central East						
	1/18/2011	,-,	Uprate Central East						
	1/18/2011		Uprate Mott Haven-Dunwoodie 345kV (#72)						
	1/18/2011		Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Central East						
	1/18/2011	0-4,8-9	Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; West Central						
	1/18/2011	20-21	Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Dysinger East						
	1/19/2011	23	NYCA DNI Ramp Limit						
	1/19/2011	9-10,16-21	Derate Dysinger East						
	1/19/2011		Derate Central East						
	1/19/2011		PJM DNI Ramp Limit						
	1/19/2011								
	1/19/2011		Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Central East						
	1/20/2011		Derate Central East						
	1/20/2011		Derate Dysinger East						
-	1/20/2011		OH DNI Ramp Limit						
	1/20/2011 1/20/2011		PJM DNI Ramp Limit Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Central East						
ŀ	1/20/2011		Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Dysinger East						
	1/21/2011		Derate Dysinger East						
	1/21/2011		Derate Central East						
	1/21/2011	1	Uprate Central East						
	1/21/2011		OH DNI Ramp Limit						
	1/21/2011		Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Central East						
			Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Dysinger East						
	;		Derate Dysinger East						
	1/22/2011 7-9,12-16,19 Derate Central East								
1/22/2011 23 Uprate Central East									
	1/23/2011		Derate Dysinger East						
	1/23/2011		Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Dysinger East						
	1/24/2011		Uprate Dysinger East						
	1/24/2011		Derate Dysinger East						
	1/24/2011		Uprate West 49th Street-Sprainbrook (#M51) for I/o SCB RS3						
			Derate GownusN-Greenwood 138kV (#42231)						
	1/24/2011		PJM DNI Ramp Limit						
	1/24/2011		Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Dysinger East						
	1/25/2011 1/25/2011		NYCA DNI Ramp Limit Derate Astoria West/Queensbridge, E. 179th St-Hellgate East 138kV (#15055)						
	1/25/2011		Derate Central East						
	1/25/2011		Uprate Central East						
1/25/2011			Derate Central East Derate Dunwoodie-Shore Road 345kV (#Y50) for I/o Sprainbrook-East Garden City 345kV (#Y49)						
	1/25/2011		Uprate Dysinger East						
1/25/2011			PJM DNI Ramp Limit						
1/25/2011 4 HQ DNI Ramp Limit									
	1/25/2011		HQ-NY Scheduling Limit						
	1/25/2011		Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Central East, Dysinger East						
	1/25/2011								

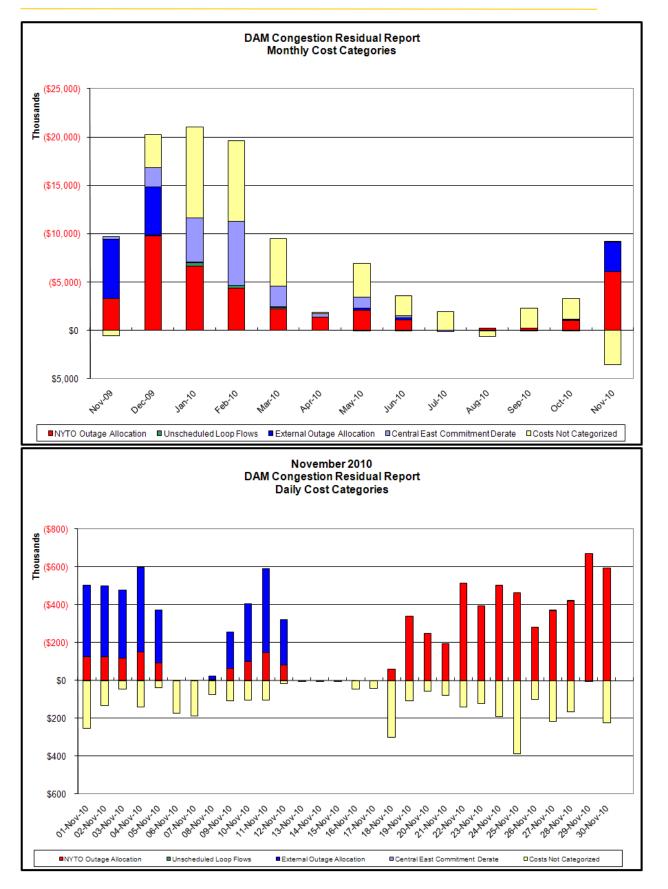


1/28/2011	15,20	Derate Rainey-Vernon 138kV (#36312)		
1/28/2011	7	Uprate Dysinger East		
1/28/2011	0-1,8,22	Derate Central East		
1/28/2011	13,17	Derate Foxhills-WillowBrook 138kV (#29211-1)		
1/28/2011	8,21-23	Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Central East		
1/29/2011	16-21	Derate Astoria West/Queensbridge		
1/29/2011	,	16-22 Derate Central East		
1/29/2011	9-12,16	Derate Leeds-New Scotland 345kV (#93) for I/o Gilboa-Leeds 3345kV (#GL3)		
1/29/2011	22	Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Central East		
1/30/2011	0,1,3,4,10,11,16,21	Derate Central East		
1/30/2011		Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW; Central East		
1/31/2011		Forced outage Shore Road 345/138kV (#Bk2)		
1/31/2011	2	PJM DNI Ramp Limit		

Real-Time Balancing Market Congestion Residual (Uplift Cost) Categories							
<u>Category</u> Storm Watch	<u>Cost Assignment</u> Zone J	<u>Events Types</u> Thunderstorm Alert (TSA)	<u>Event Examples</u> TSA Activations				
Unscheduled Transmission Outage	Market-wide	Reduction in DAM to RTM transfers related to unscheduled transmission outage	Forced Line Outage, Unit AVR Outages				
Interface Derate - NYISO Security	Market-wide	Reduction in DAM to RTM transfers not related to transmission outage	Interface Derates due to RTM voltages				
Interface Derate - External Security	Market-wide	Reduction in DAM to RTM transfers related to External Control Area Security Events	TLR Events, External Transaction Curtailments				
Unscheduled Loop Flows	Market-wide	Changes in DAM to RTM unscheduled loop flows impacting NYISO Interface transmission constraints	DAM to RTM Clockwise Lake Erie Loop Flows greater than 300MW				

At a minimum those days with \$ 100 K/HR, shortfall of \$200 K/Day or more, or surplus of \$ 100 K/Day or more are investigated
 Uplift costs associated with multiple event types are apportioned equally by hour
 Investigations began with Dec 2008. Prior months are reported as Not Investigated.







Day-Ahead Market Congestion Residual Categories

<u>Category</u> NYTO Outage Allocation	<u>Cost Assignment</u> Responsible TO	<u>Events Types</u> Direct allocation to NYTO's responsible for transmission equipment status change.	<u>Event Examples</u> DAM scheduled outage for equipment modeled in- service for the TCC Auction.
Unscheduled Loop Flows	All TO by Monthly Allocation Factor	Residual impact of Lake Erie circulation, MW difference between the DAM and TCC Auction.	Lake Erie Loop Flow Assumptions
External Outage Allocation	All TO by Monthly Allocation Factor	Direct allocation to transmission equipment status change caused by change in status of external equipment.	Tie line required out-of- service by TO of neighboring control area.
Central East Commitment Derate	All TO by Monthly Allocation Factor	Reductions in the DAM Central East_VC limit as compared to the TCC Auction limit, which are not associated with transmission line outages.	



