Operations Performance Metrics Monthly Report





August 2011 Report

Operations & Reliability Department New York Independent System Operator

Prepared by NYISO Operations Analysis and Services, based on settlements initial invoice data collected on or before September 9, 2011.



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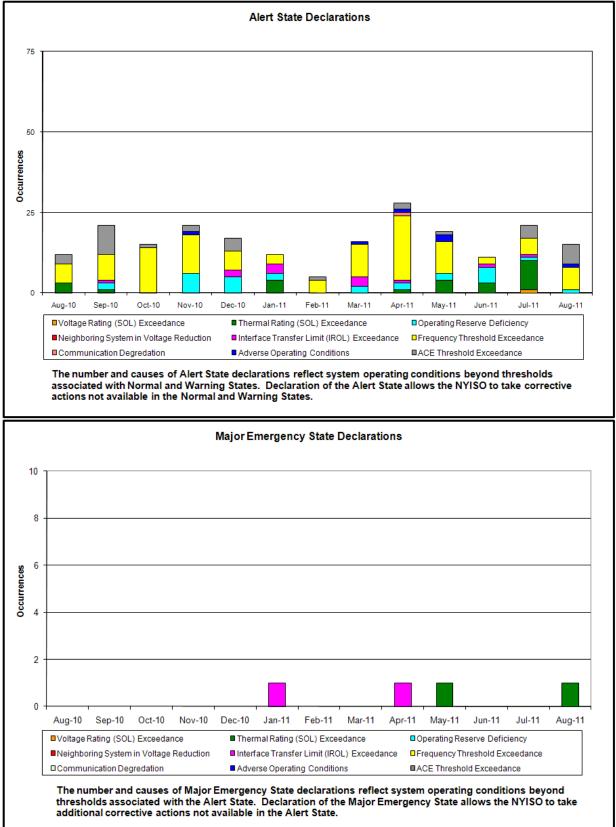


August 2011 Operations Performance Highlights

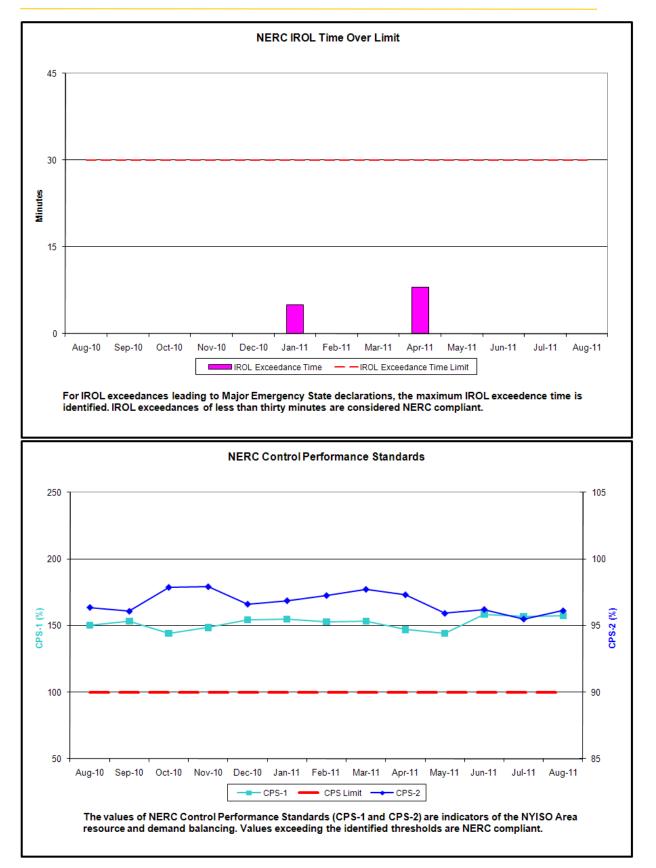
- Peak load of 30,403 MW occurred on 8/1/2011 HB 15
- All-time summer capability period peak load of 33,939 MW occurred on 8/2/2006 HB13
- 88 hours of Thunder Storm Alerts were declared
- Continued Levels of Clockwise Lake Erie Loop Flows
 - 33 hours of NERC TLR level 3 curtailments
- Simultaneous, Beck Niagara and Beck Packard outages expected in Q4



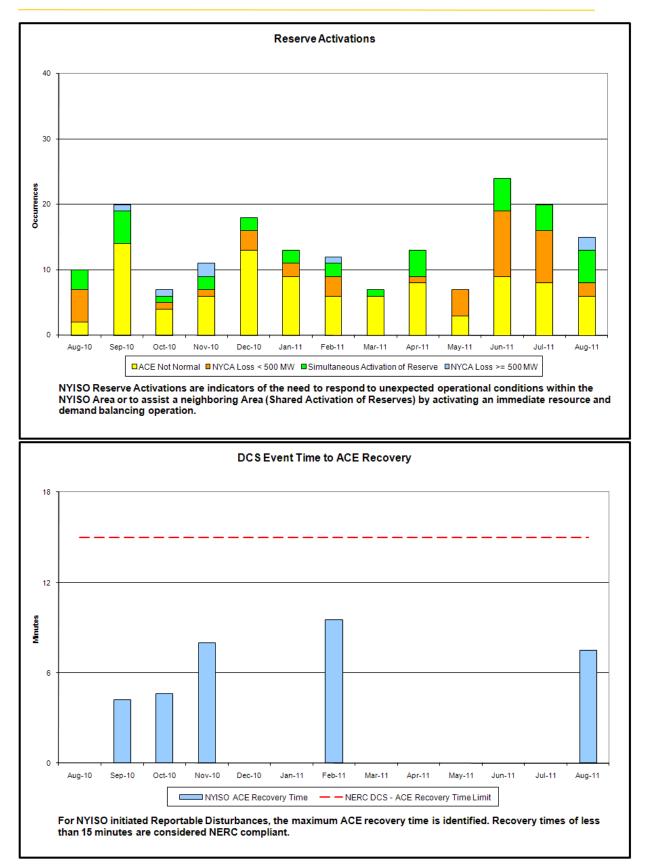
Reliability Performance Metrics



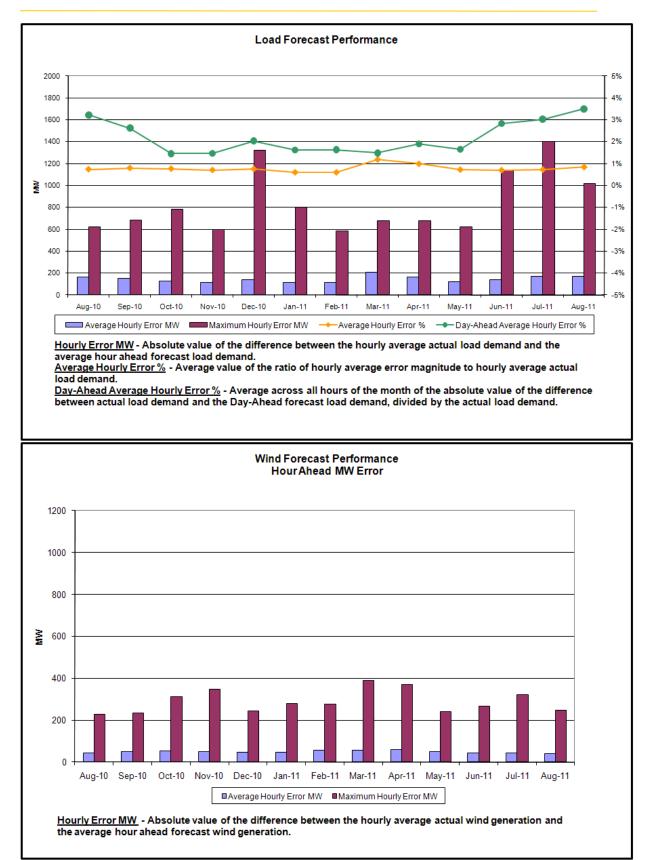




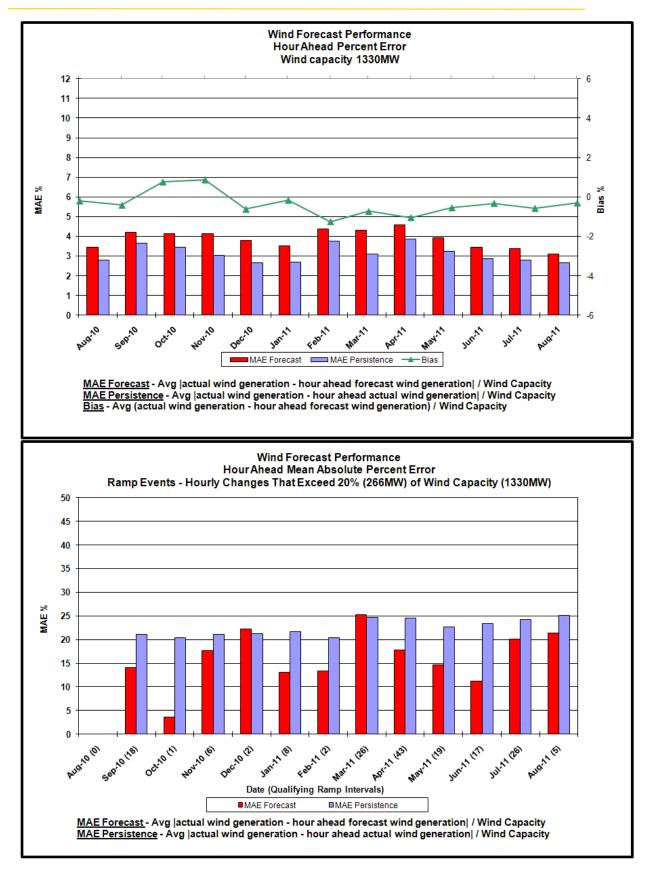




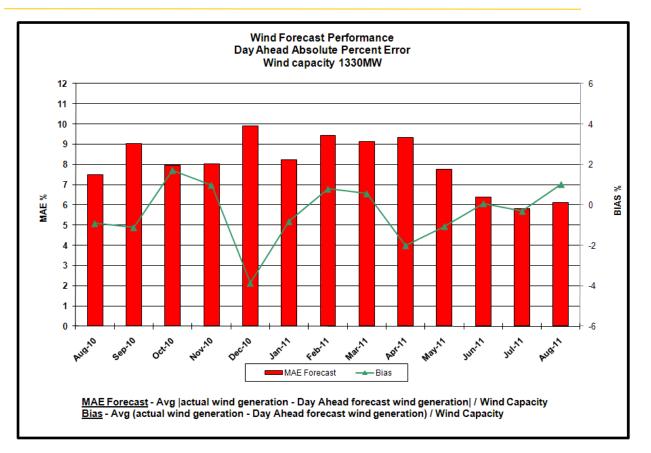




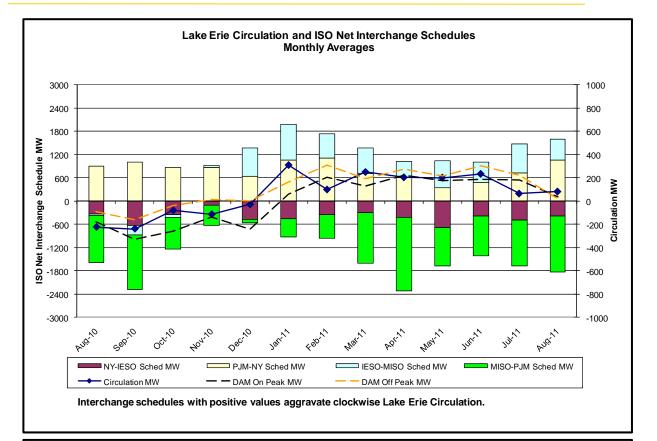


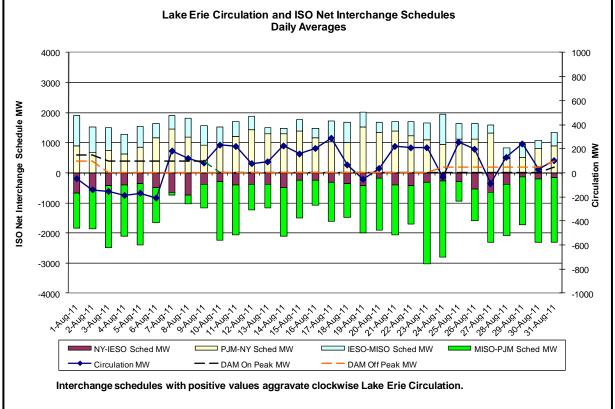






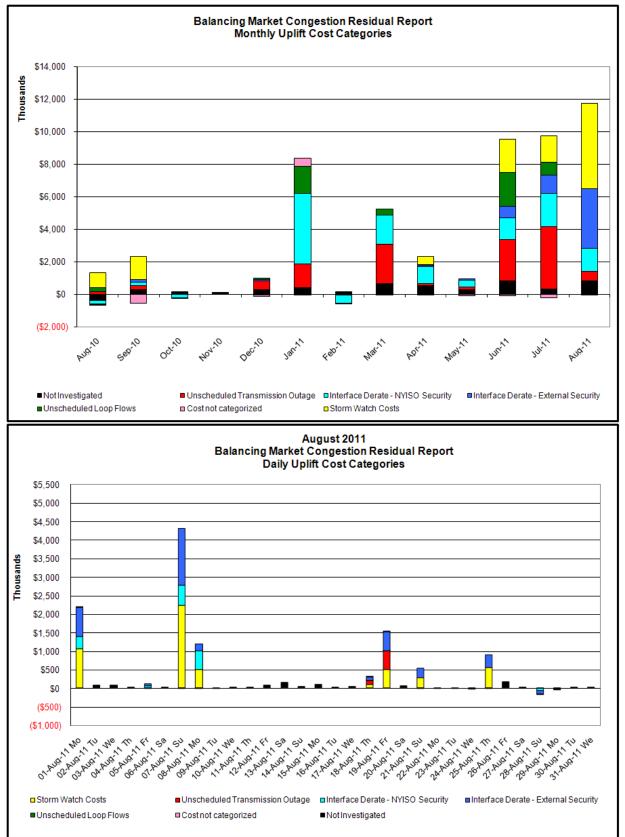








Market Performance Metrics





	Date (yyyyr Hours	ist:1,5,7,8,18,19,21,25	Description		
	8/1/2011		Thunder Storm Alert		
	8/1/2011		Derate Dunwoodie-Shore Road 345kV (#Y50) for I/o Neptune HVDC		
	8/1/2011		Derate GowanusN-Greenwood 138kV (\$42231) Derate GowanusS-Greenwood 138kV (#42232) Derate Greenwood-Kent Avenue 138kV (#31232-2) for SCB:Goethals 1N Derate Greenwood-Kent Avenue 138kV (#31232-2) for I/o TWR:Goethals NYCA DNI Ramp Limit Derate Greenwood/Staten Island		
	8/1/2011				
	8/1/2011				
	8/1/2011				
	8/1/2011				
	8/1/2011				
	8/1/2011 17 8/1/2011 11,12,16-21,23 8/5/2011 23		IESO_AC DNI Ramp Limit HQ_CHAT-NY Scheduling Limit NYCA DNI Ramp Limit Derate GowanusN-Greenwood 138kV (\$42231)		
	8/5/2011		Derate GowanusS-Greenwood 138KV (#4232)		
	8/5/2011	-	HQ CHAT DNI Ramp Limit		
	8/7/2011	-	Thunder Storm Alert		
	8/7/2011		Derate Dunwoodie-Shore Road 345kV (#Y50)		
	8/7/2011		Derate Durwoodie-Shore Road 345kV (#Y50) for I/o Neptune HVDC		
	8/7/2011		Derate Leeds-New Scotland 345kV (#93) for I/o Leeds-New Scotland 345kV (#94)		
	8/7/2011		HQ CHAT-NY Scheduling Limit		
	8/7/2011		HQ_CHATONI Ramp Limit		
	8/8/2011		Thunder Storm Alert		
	8/8/2011		NYCA DNI Ramp Limit		
	8/8/2011		Derate Durwoodie-Shore Road 345kV (#Y50) for I/o Neptune HVDC		
	8/8/2011		Derate GowanusN-Greenwood 138kV (#150) for 1/0 heptune HVDC		
	8/8/2011		Derate GowanusS-Greenwood 138kV (\$42231) Derate GowanusS-Greenwood 138kV (#42232)		
	8/8/2011		HQ CHAT-NY Scheduling Limit		
	8/8/2011		HQ_CHATINY Scheduling Limit		
	8/18/2011		Thunder Storm Alert		
			Forced outage Hudson-Farragutt 345kV (#C3403)		
	8/18/2011		Derate Leeds-New Scotland 345kV (#93) for I/o Leeds-New Scotland 345kV (#94)		
	8/18/2011				
	8/18/2011		HQ_CHAT-NY Scheduling Limit		
	8/19/2011		Thunder Storm Alert		
	8/19/2011		Forced outage Hudson-Farragutt 345kV (#C3403)		
	8/19/2011		NYCA DNI Ramp Limit		
	8/19/2011		NE_AC DNI Ramp Limit		
	8/19/2011		HQ_CHAT-NY Scheduling Limit		
	8/19/2011		HQ_CHAT DNI Ramp Limit		
	8/21/2011		Thunder Storm Alert		
	8/21/2011		HQ_CHAT-NY Scheduling Limit		
	8/25/2011	- , -	Thunder Storm Alert		
	8/25/2011		HQ_CHAT-NY Scheduling Limit		
	8/28/2011		NYCA DNI Ramp Limit		
	8/28/2011		PJM_AC DNI Ramp Limit		
	8/28/2011		NE_AC-NY Scheduling Limit		
	8/28/2011	10,14,16,18,21	HQ_CHAT DNI Ramp Limit		

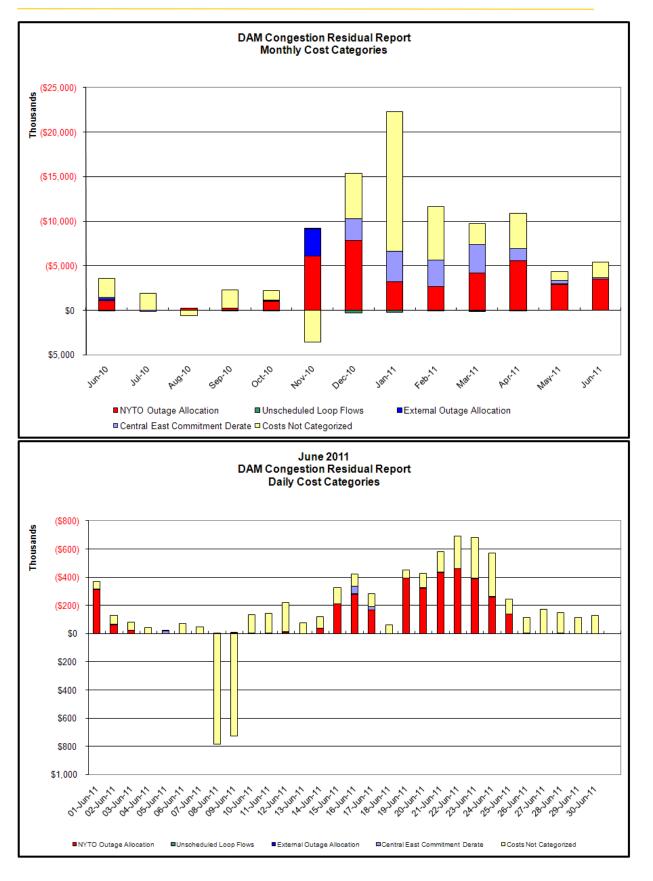


Real-Time Balancing Market Congestion Residual (Uplift Cost) Categories

<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 125 MW					
Monthly Balancing Market Congestion Report Assumptions/Notes 1) Storm Watch Costs are identified as daily total uplift costs 2) 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 2) Uplift costs associated with multiple event three are apportioned equally by hour								

3) Uplift costs associated with multiple event types are apportioned equally by hour
4) 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.	



