

Operations Performance Metrics Monthly Report



September 2012 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 October 8, 2012.

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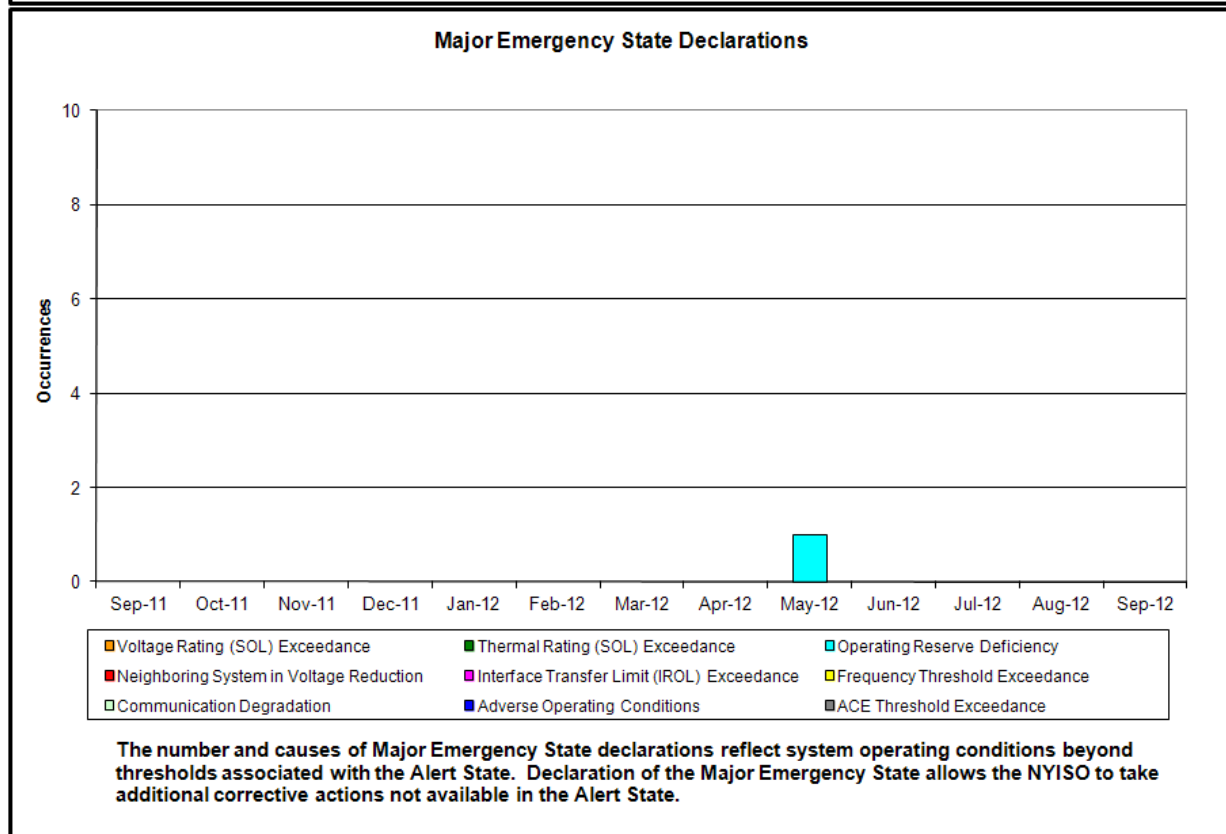
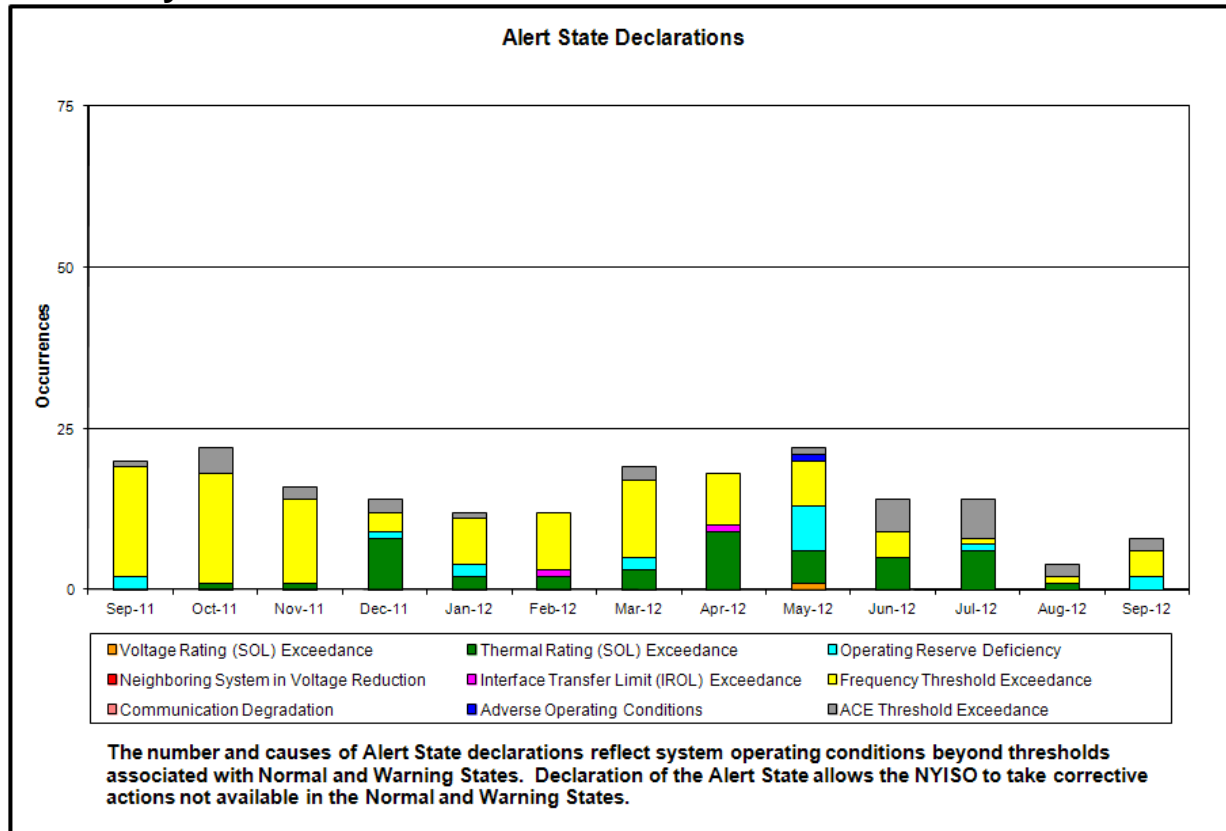
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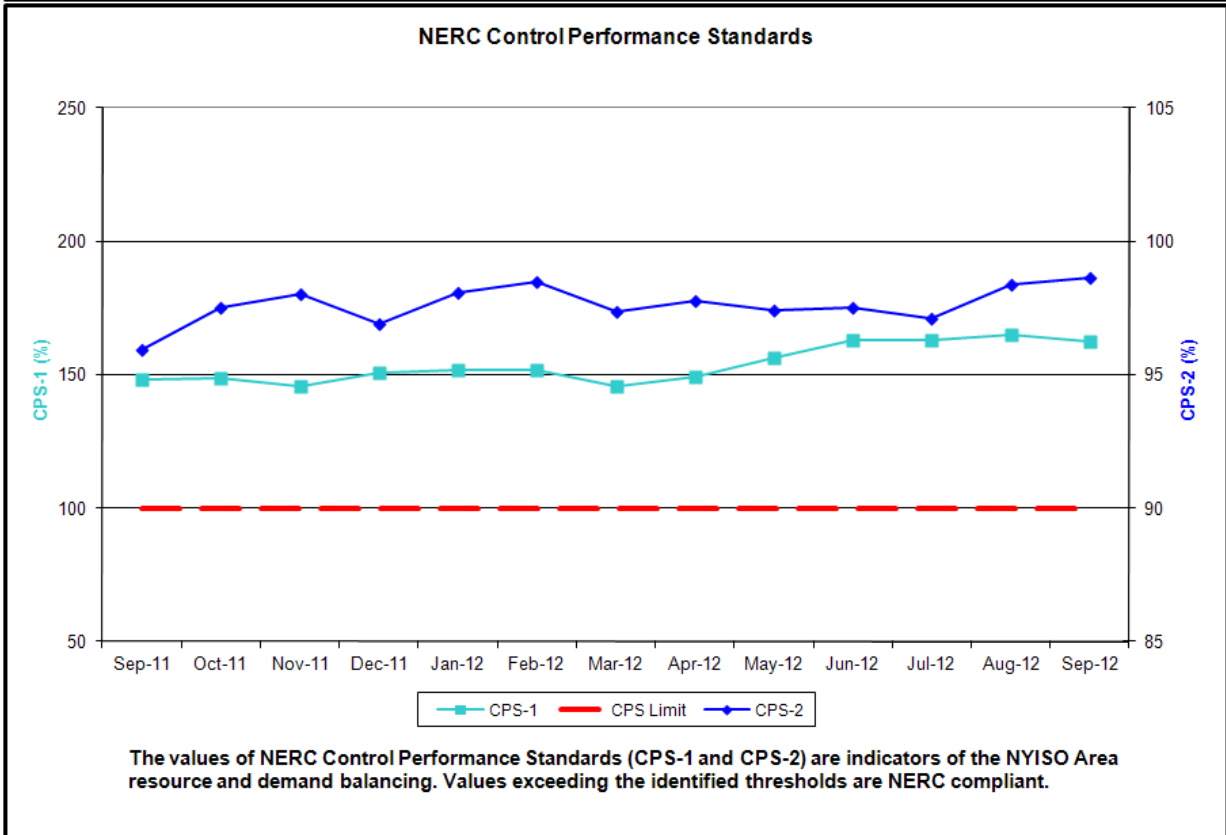
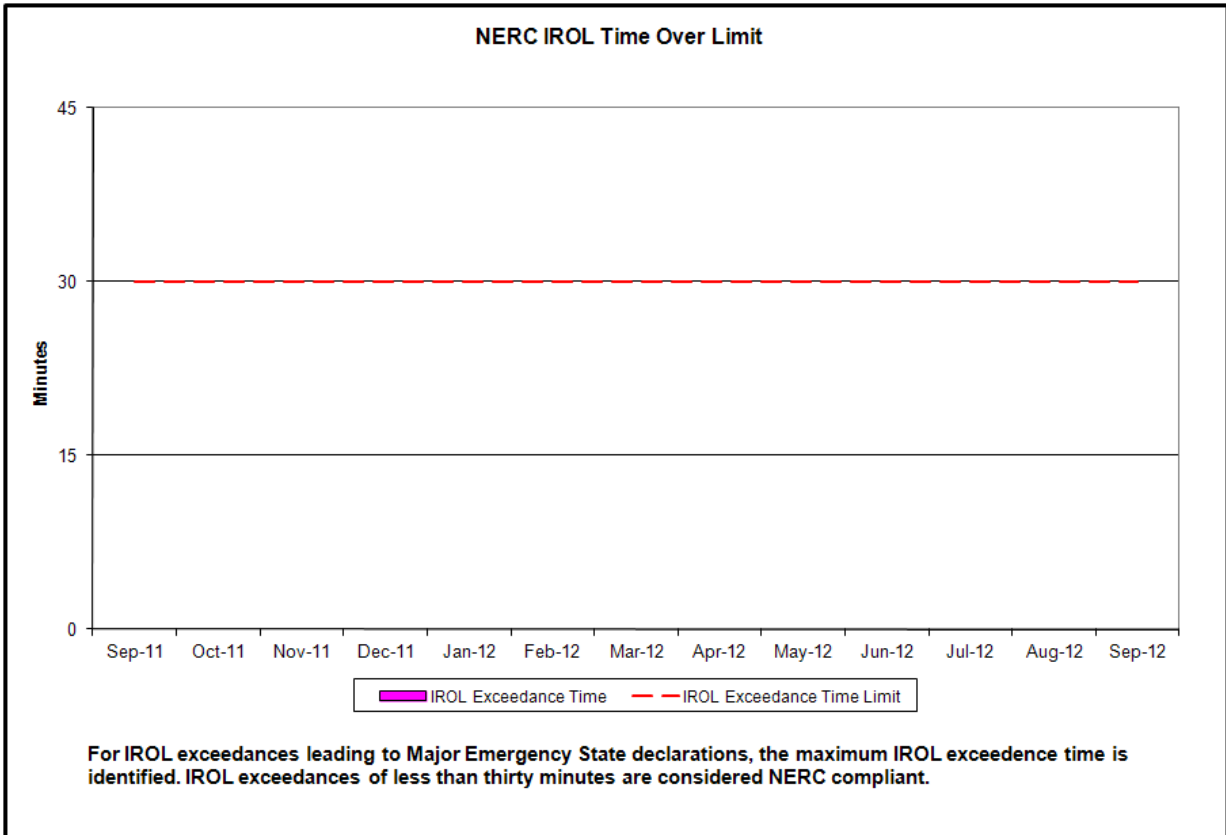
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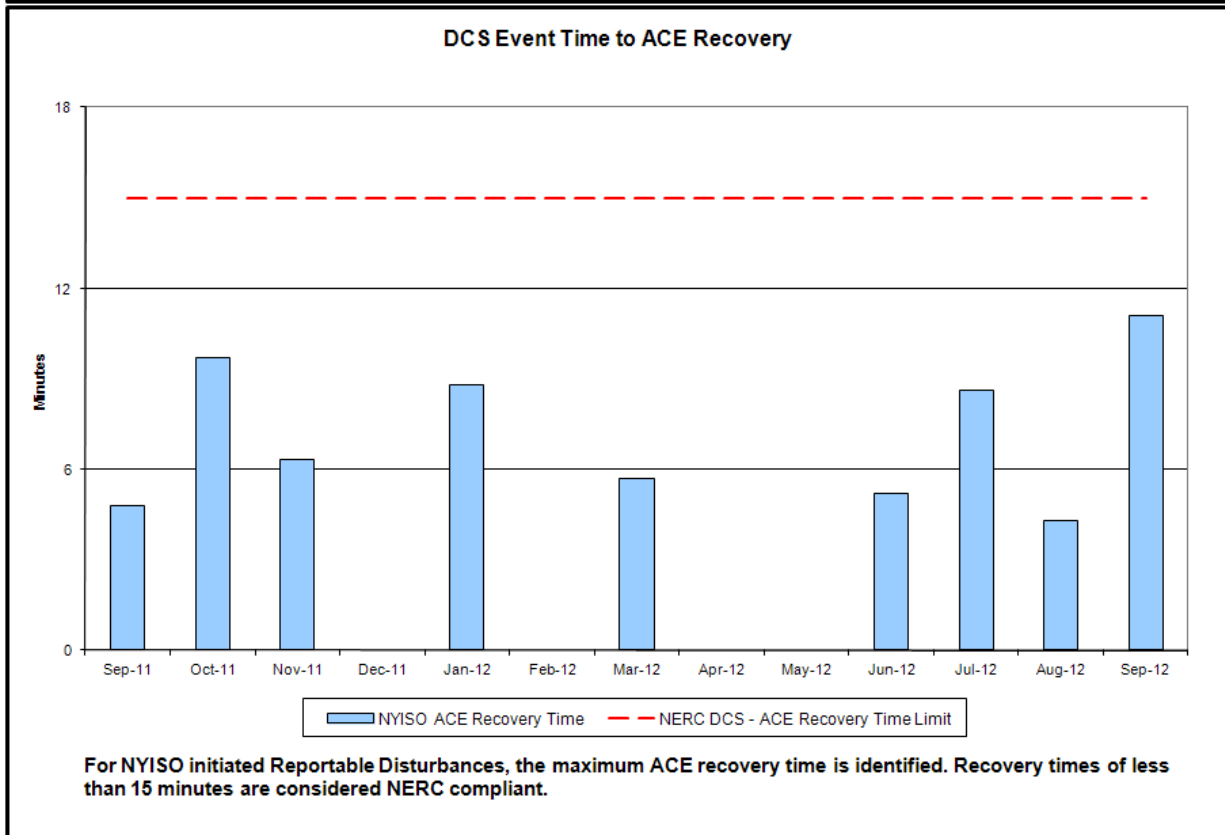
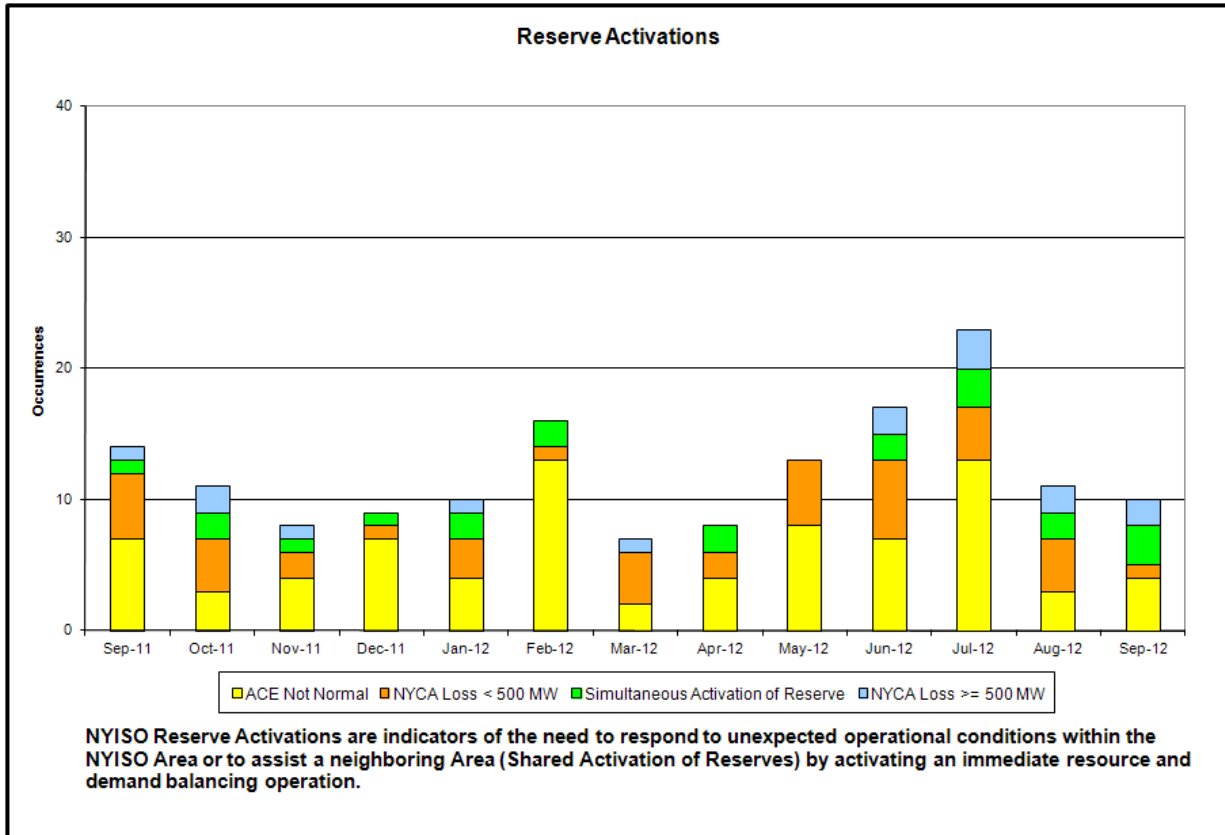
September 2012 Operations Performance Highlights

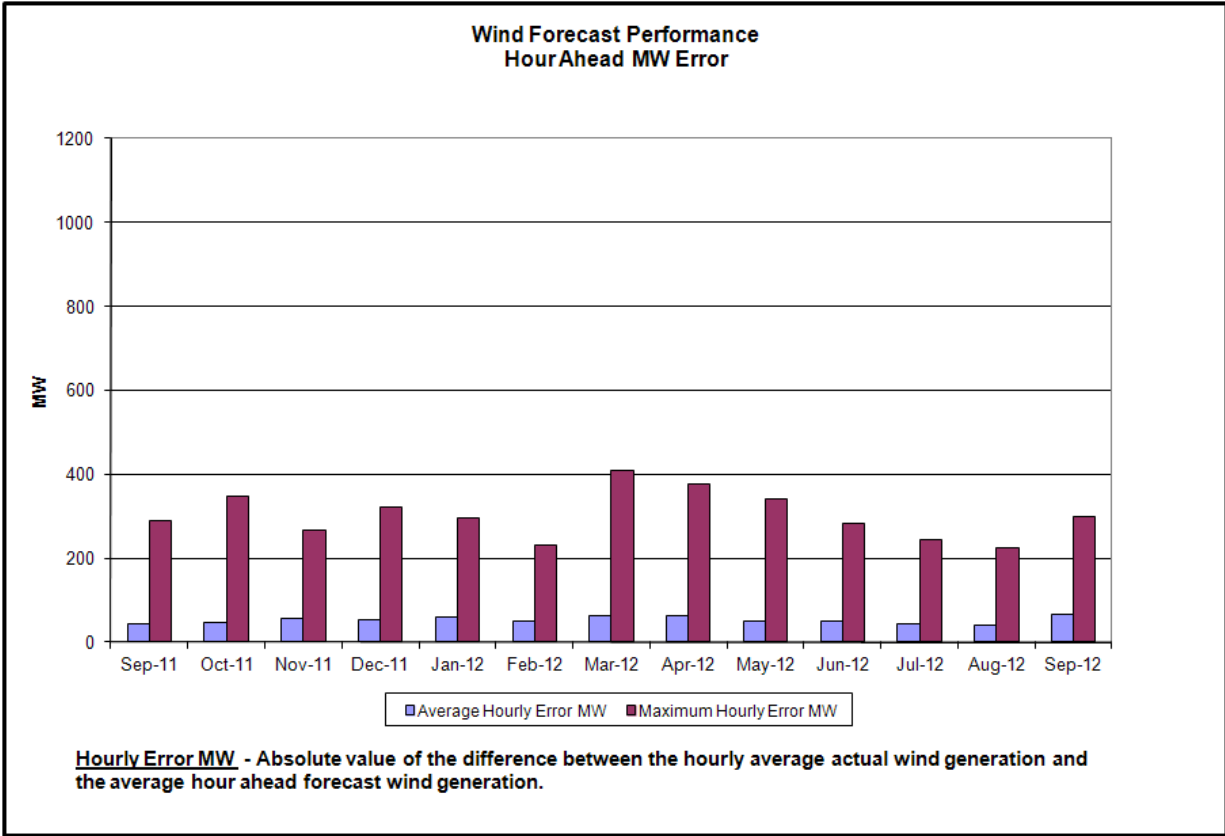
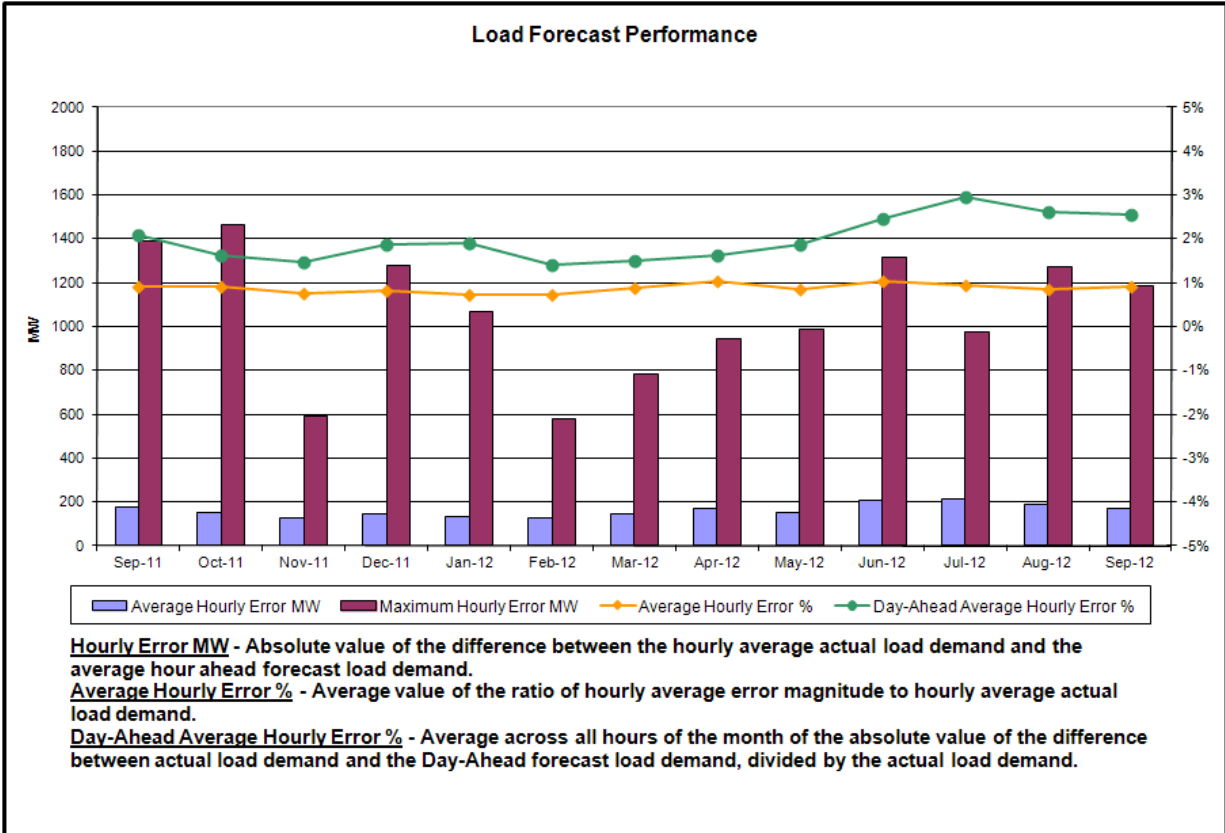
- Peak load of 28,127 MW occurred on 9/7/2012 HB 16
- All-time summer capability period peak load of 33,939 MW occurred on 8/2/2006 HB13
- 19 hours of Thunder Storm Alerts were declared
- No hours of NERC TLR level 3 curtailments

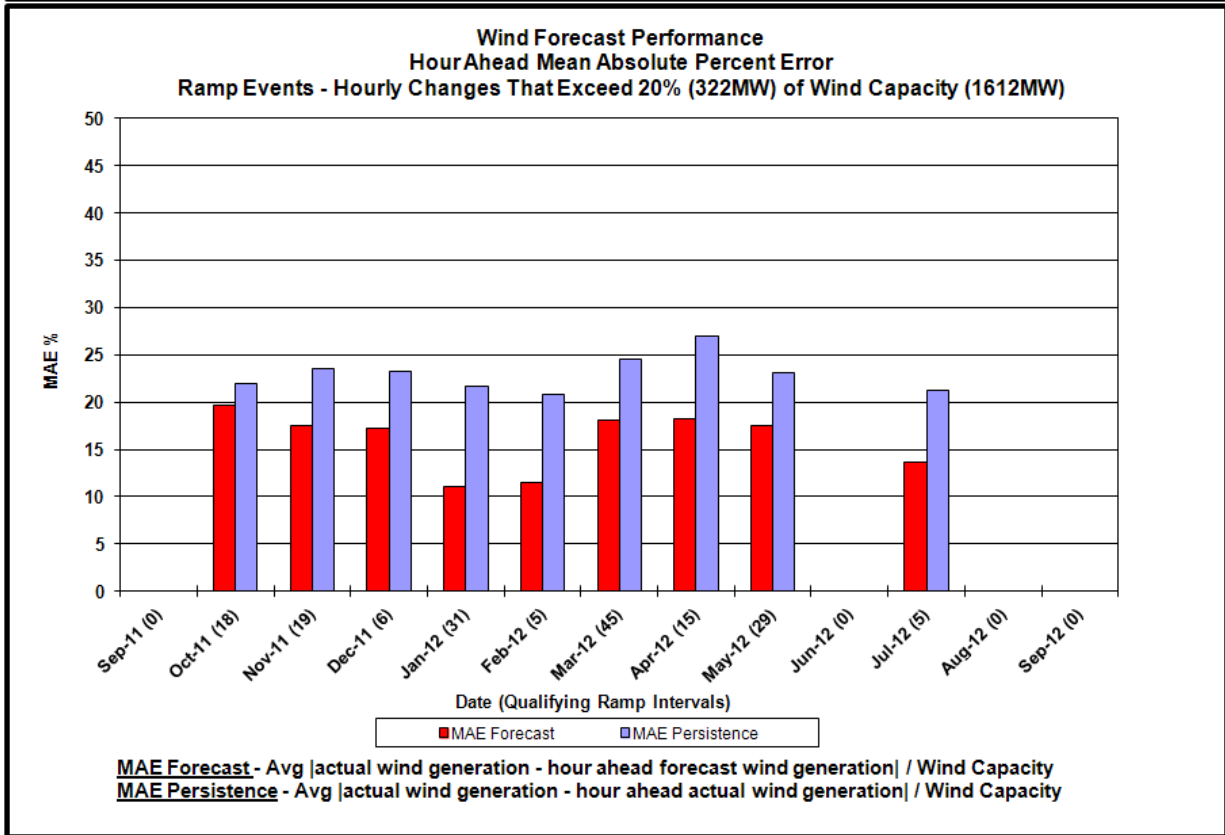
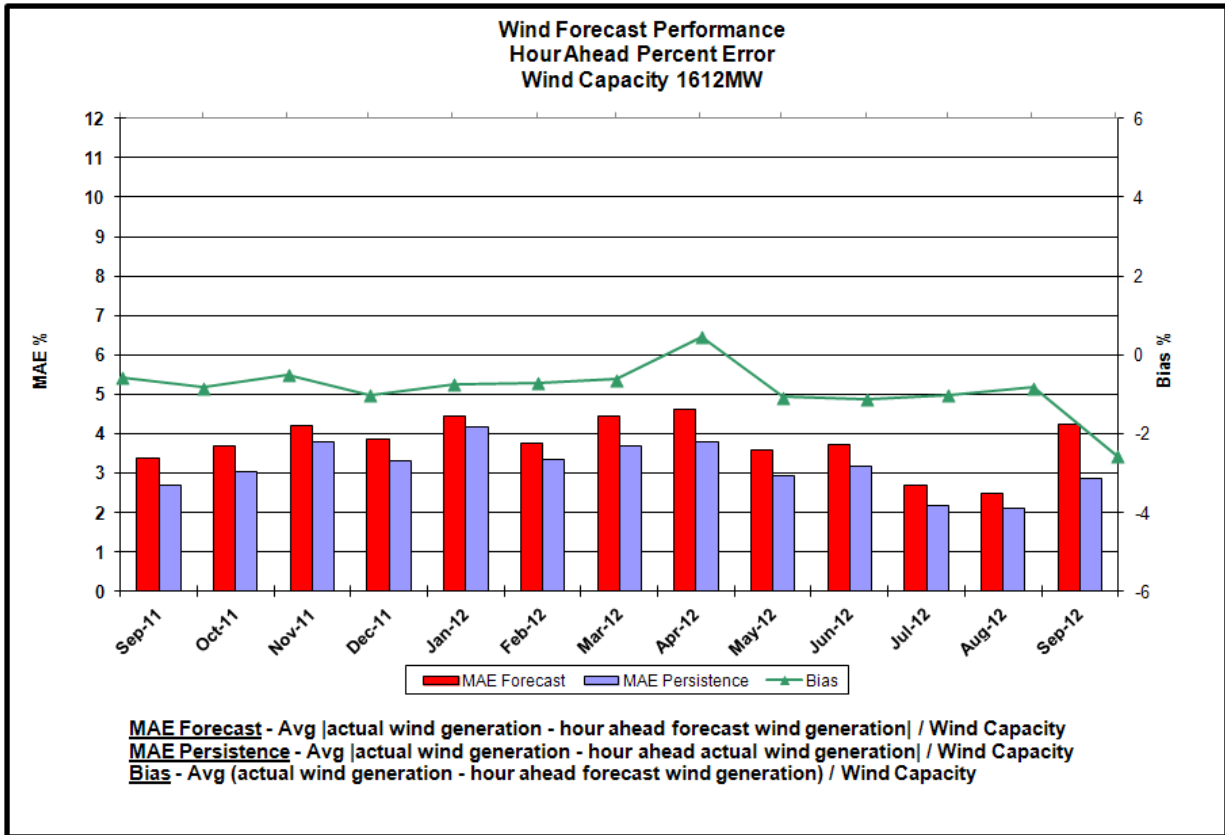
Reliability Performance Metrics

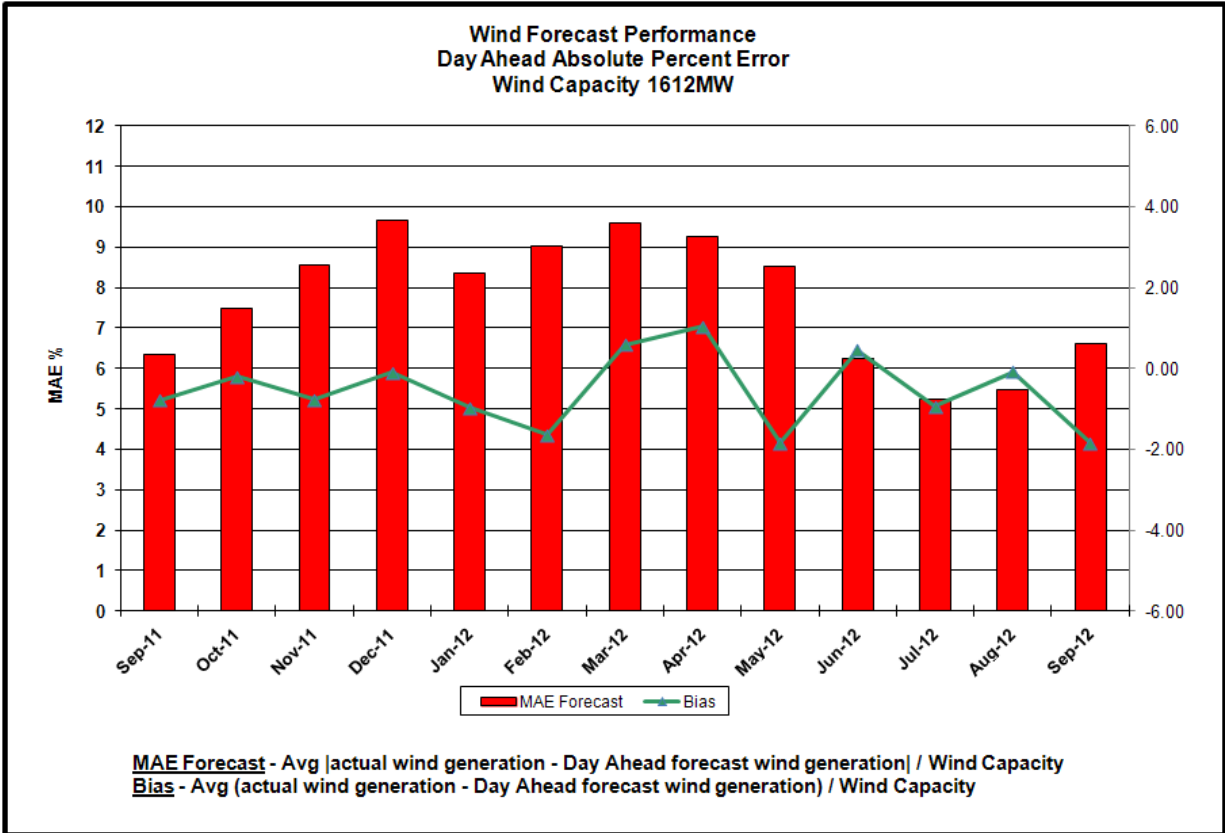


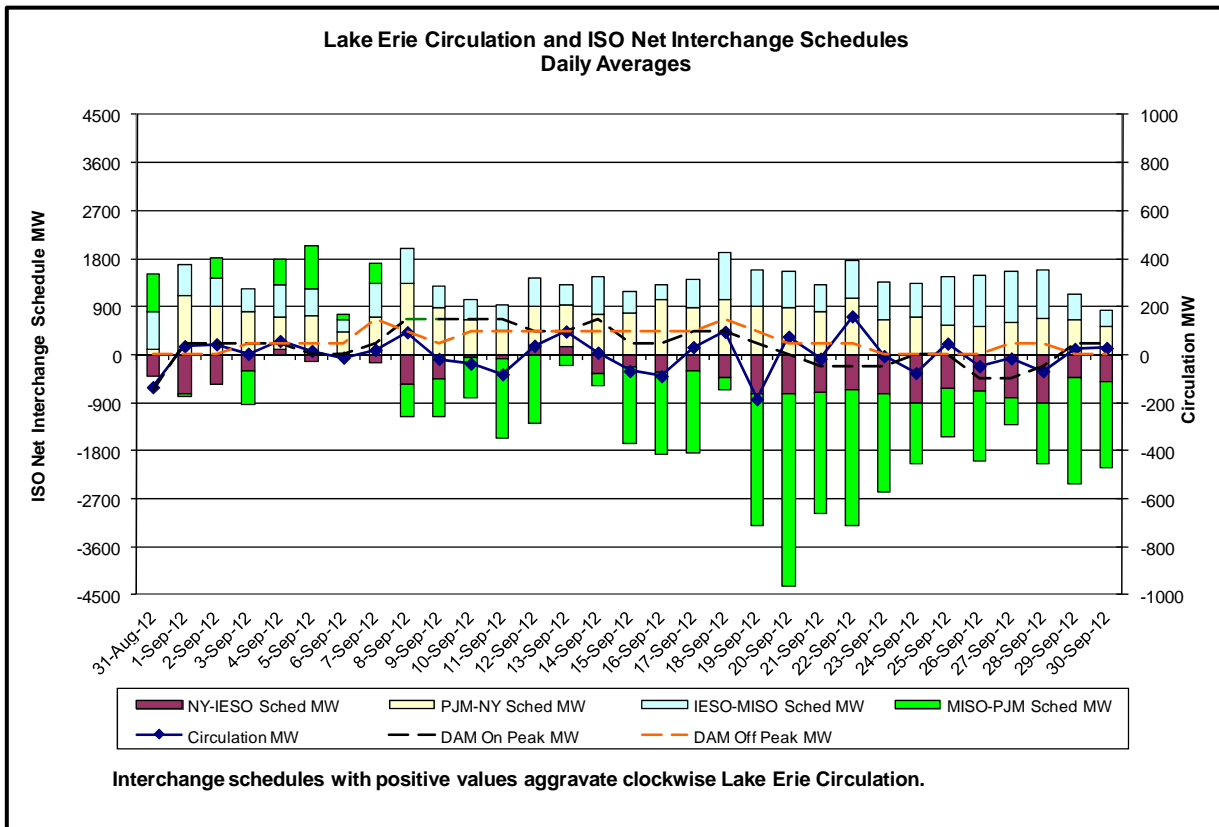
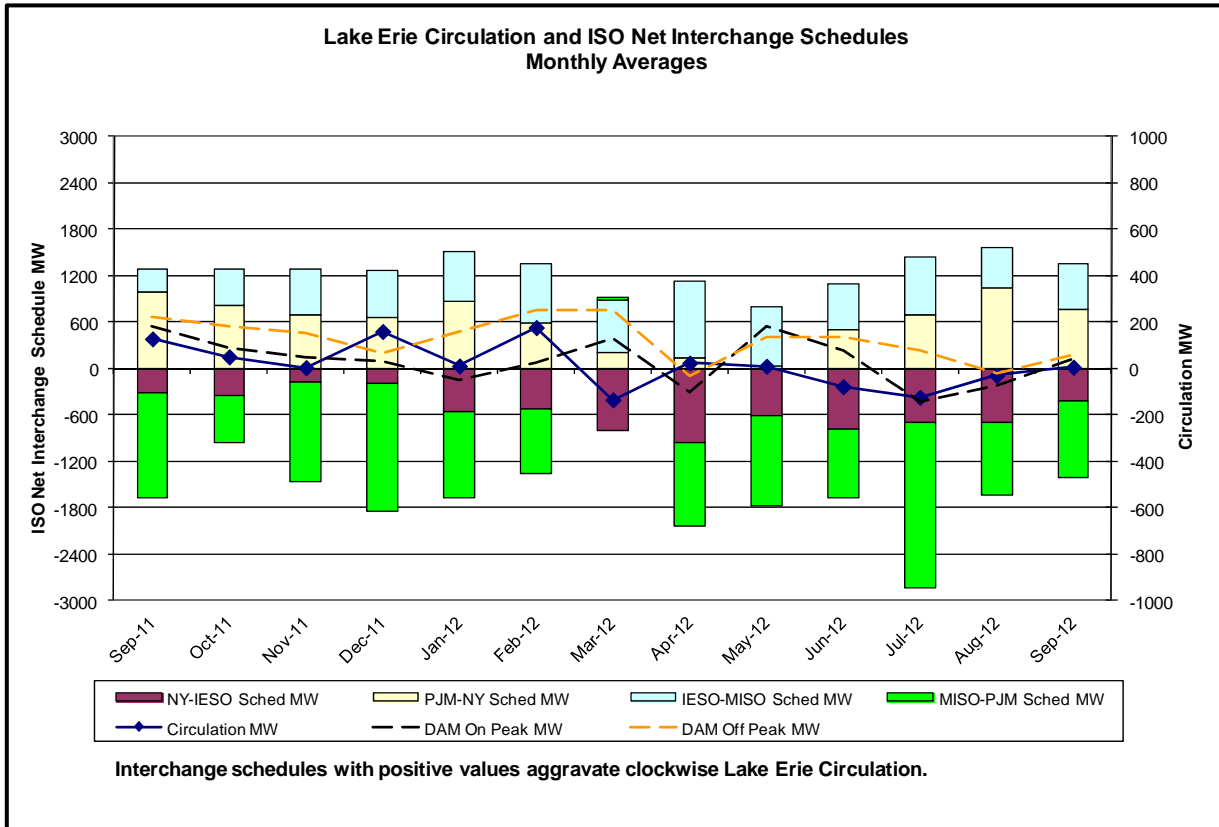




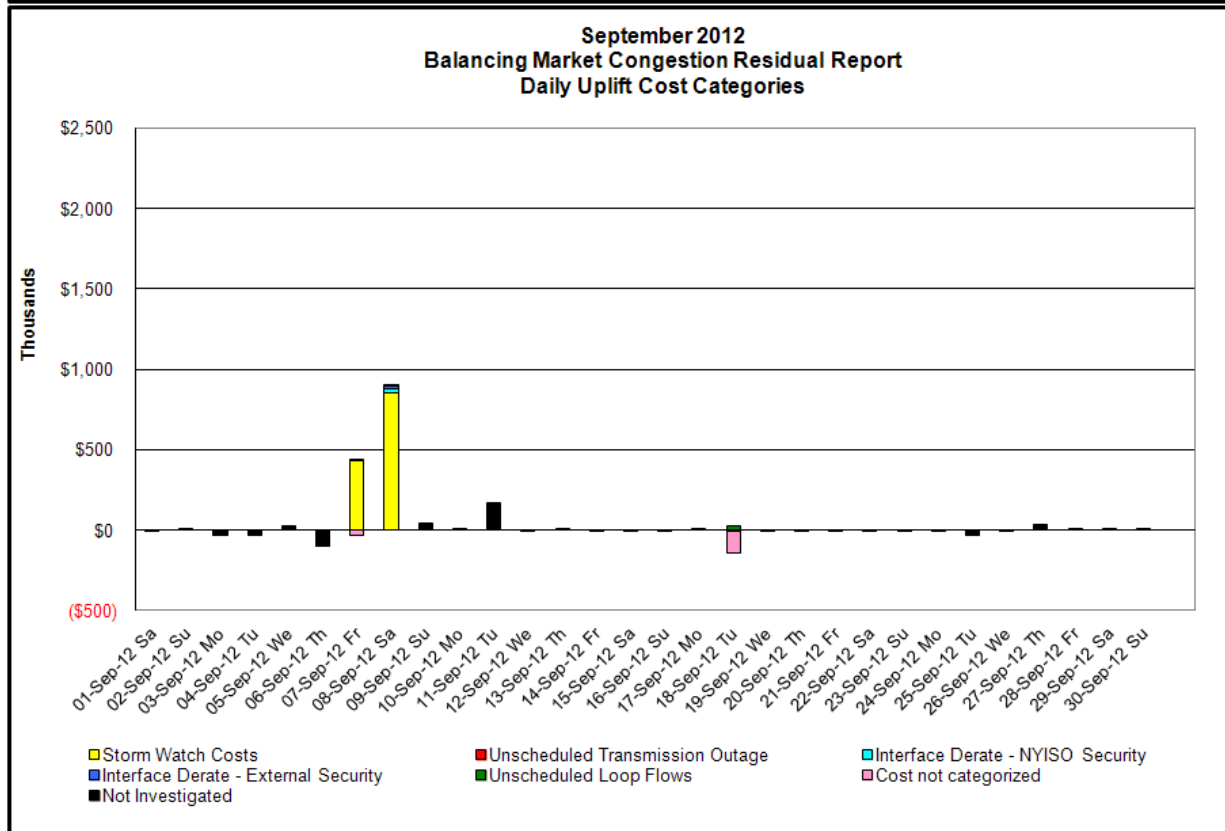
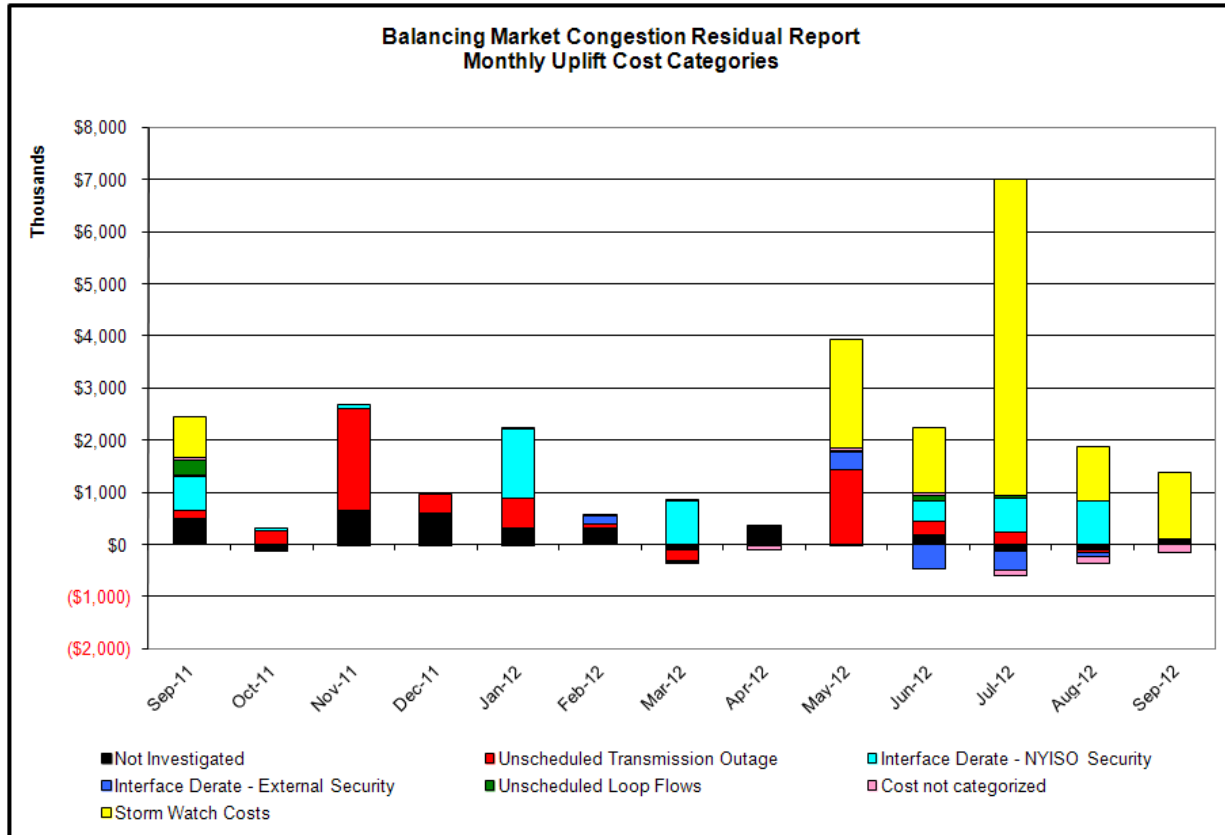








Market Performance Metrics



Day's investigated in September: 7, 8, 18

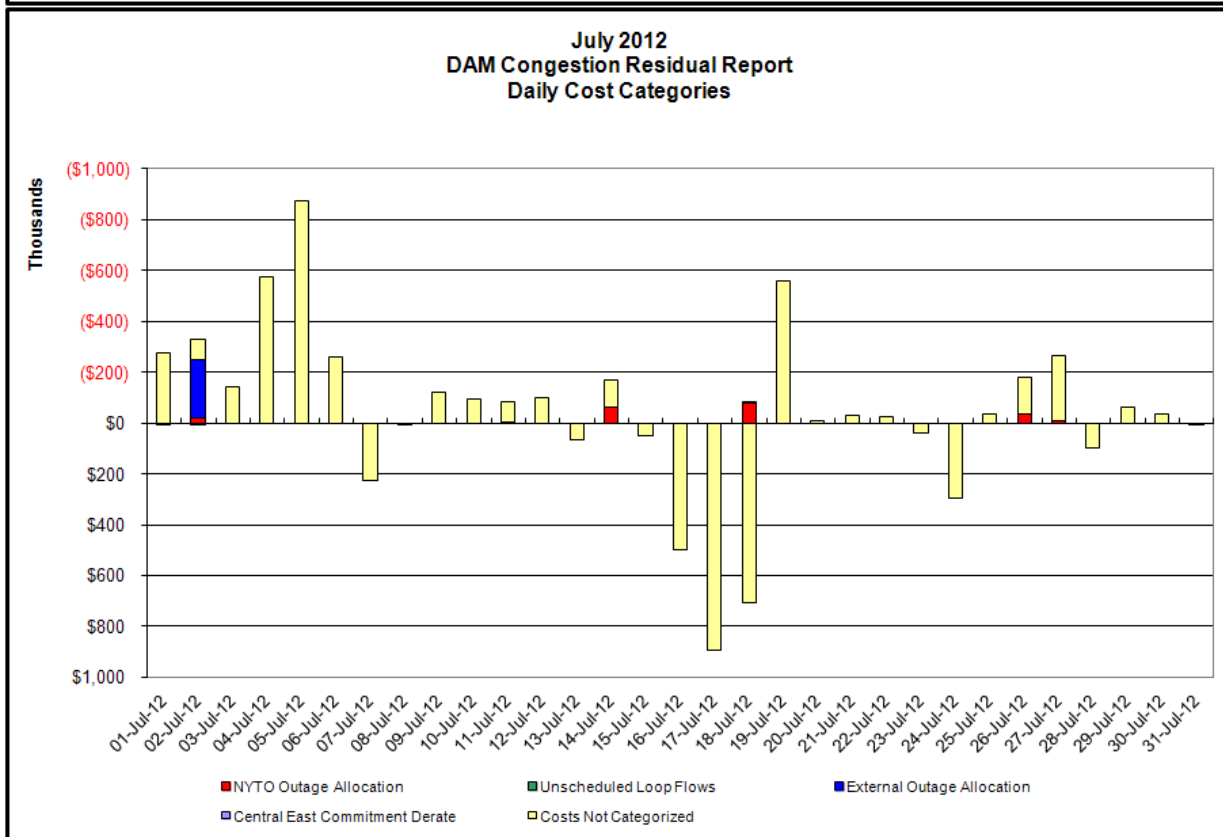
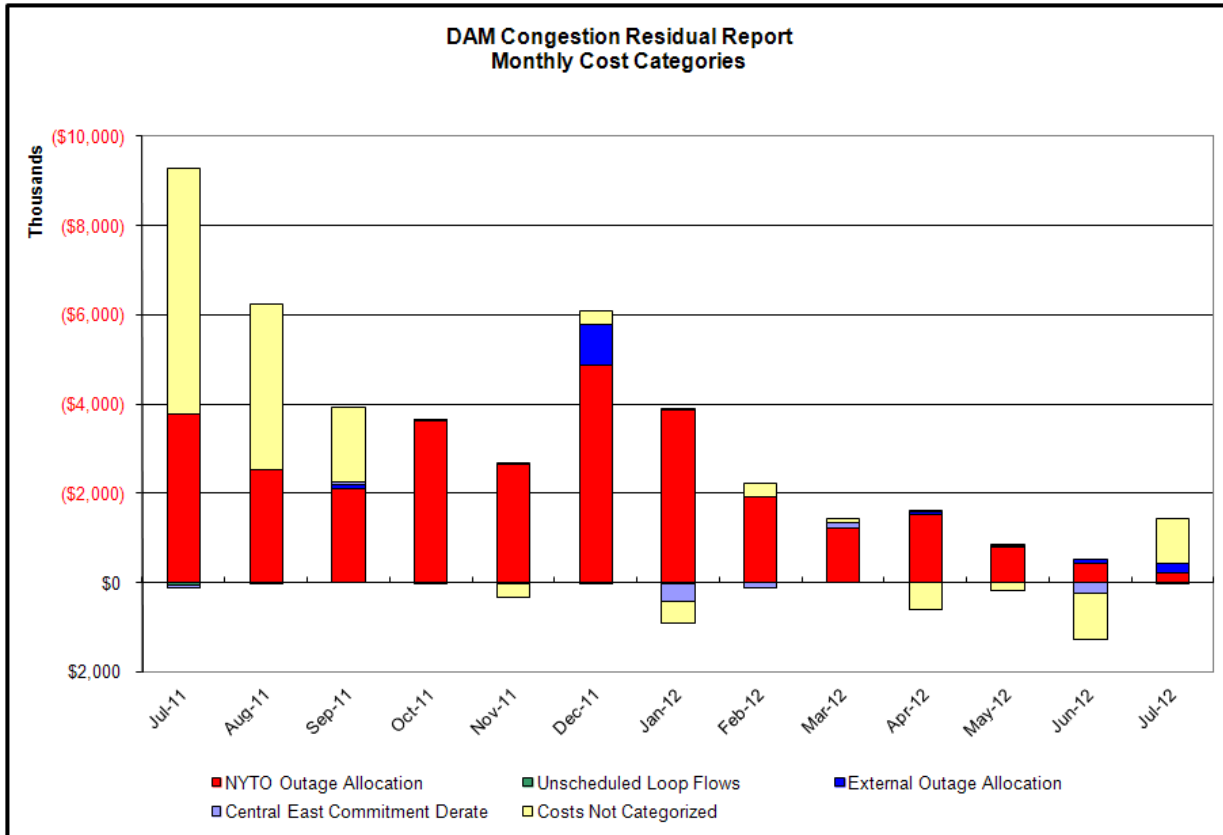
Event	Date (yyymm)	Hours	Description
	9/7/2012	17-18	Thunderstorm Alert
	9/7/2012	18	Derate FreshKills-Willow Brook 345kV (#29212)
	9/8/2012	11-18	Thunderstorm Alert
	9/8/2012	17,18	Derate Farragut-Hudson Avenue 138kV (#32077)
	9/8/2012	17,18	Derate FreshKills-Willow Brook 345kV (#29212)
	9/8/2012	17,18	Derate Gowanus-Greenwood 138kV (#42232)
	9/8/2012	8	NYCA DNI Ramp Limit
	9/8/2012	19	NE_AC DNI Ramp Limit
	9/8/2012	8	NE_AC-NY Scheduling Limit
	9/8/2012	17	PJM_AC DNI Ramp Limit
	9/18/2012	21	Uprate Gowanus-GoethalsN 345kV (#26)
	9/18/2012	11,17	Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Pleasant Valley-Athens 345kV (#91) SCB LEEDS R93 W/ 99K BUS O/S

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

<u>Category</u>	<u>Cost Assignment</u>	<u>Events Types</u>	<u>Event Examples</u>
Storm Watch	Zone J	Thunderstorm Alert (TSA)	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
- 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>	<u>Cost Assignment</u>	<u>Events Types</u>	<u>Event Examples</u>
NYTO Outage Allocation	Responsible TO	Direct allocation to NYTO's responsible for transmission equipment status change.	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.	

