



Information Technology and Facilities Report

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ERCOT Board of Directors

May 17, 2011

Highlights

- **Service Availability:**

- ✓ Market Operations IT systems met all SLA targets
- ✓ Market Data Transparency IT systems met all SLA targets
- ✗ Nodal Market IT Systems missed one SLA target (MMS SCED)
 - During a planned site failover on 4/5, 15 SCED intervals were missed leading to 99.83% availability
- ✗ Retail Market IT systems missed one SLA target (Retail Business Hours)
 - On 4/13, a 66-minute outage occurred due to server maintenance resulting in 99.56% availability for the month

- **Planned Site Failover (4/5)**

- During a planned site failover, database patching took longer than expected and eight SCED intervals were missed
- Following database patching, problems establishing connectivity between EMMS applications and the market database led to 10 missed SCED intervals
- Steps have been added to the failover plan to further verify connectivity prior to active site disconnect

Highlights Cont'd

- **Retail transaction processing degradation (4/3 - 4/4)**
 - Following maintenance activities on 4/3, one piece of application functionality was not correctly enabled, and caused some transactions to be incorrectly prioritized causing a processing delay that impacted approximately 530 transactions
- **Retail outage (4/13)**
 - Human error during Operating System patching caused a 66-minute outage of all Retail systems (transaction processing, TML and MarkeTrak) and retail functionality within MIS
- **Retail outage and performance degradation (4/15 - 4/20)**
 - Disk contention within the SAN infrastructure caused numerous retail system issues, including a 120-minute outage of TML on 4/19, and slow system performance on 4/20
 - Configuration changes alleviated the messaging backlogs, and returned performance to normal levels
 - The Retail Market SLA is being updated to include performance monitoring and reporting of TML

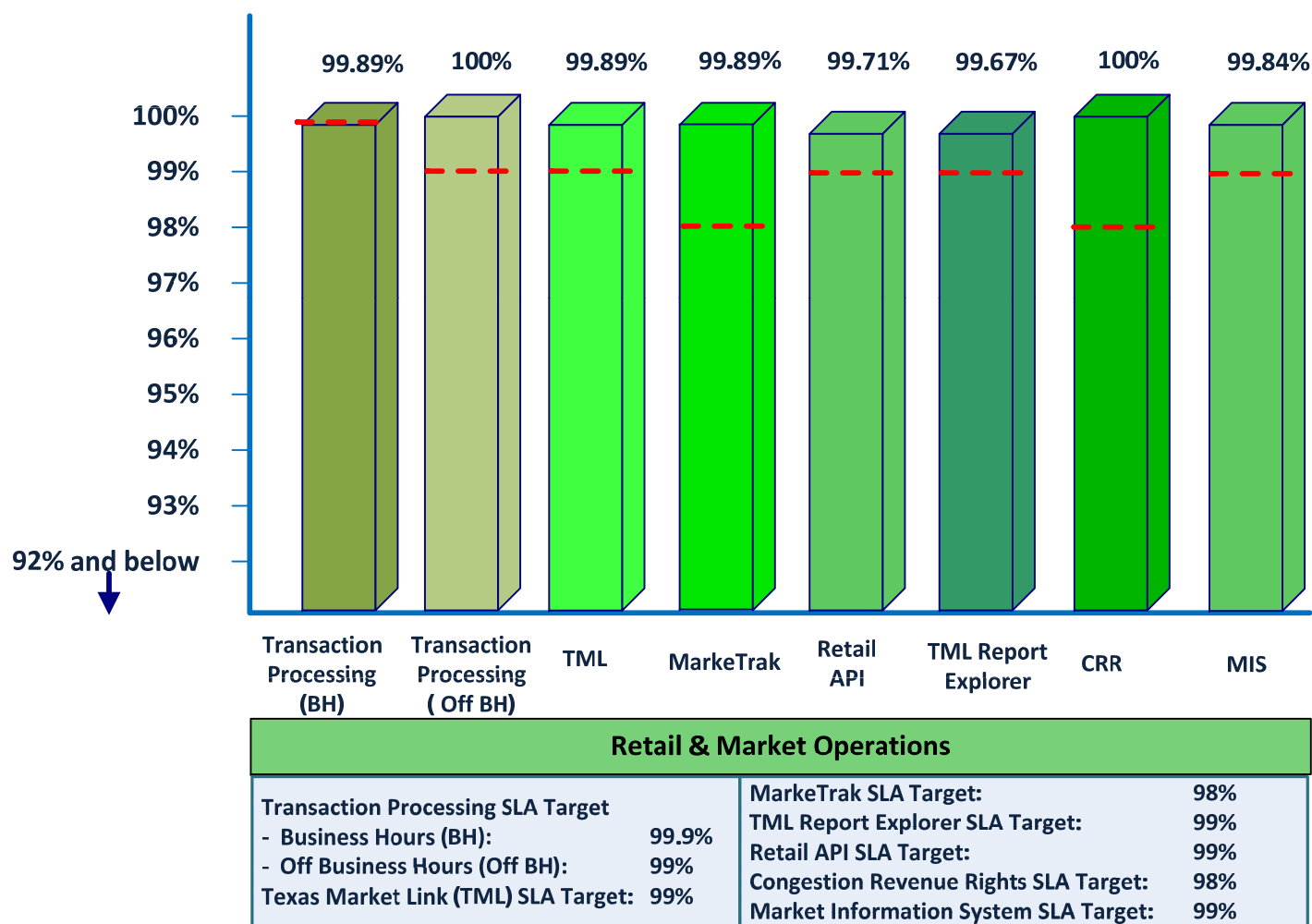
Highlights Cont'd

- **Data Center Migration**

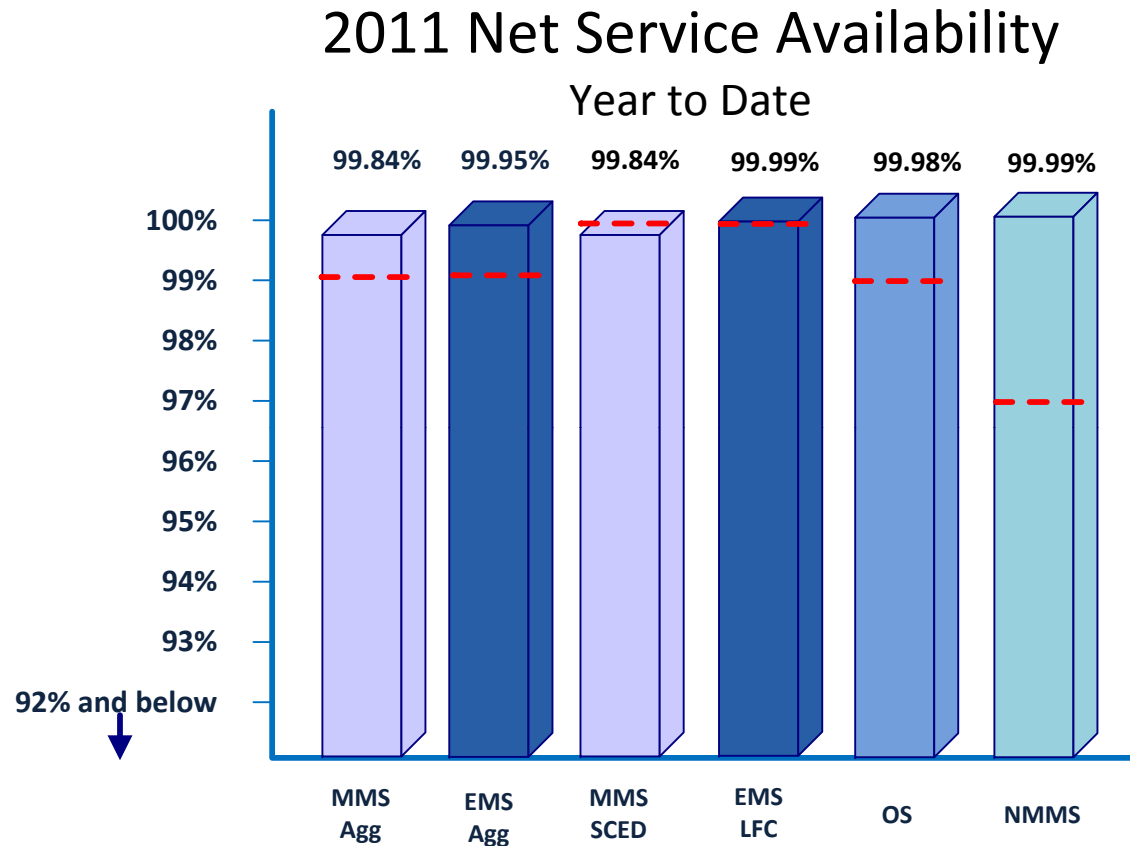
- Wave 1 (Corporate environment migration) in progress and remains two weeks behind schedule
 - Schedule risk mitigated by reprioritizing all tasks necessary to start Wave 2 early. No downstream impacts of the delay.
 - Corporate virtual servers moved on schedule with remainder moving into Wave 2
- Wave 2 (Development and Integrated Test systems) started four weeks early
 - Daily coordination meetings are being held to maximize resource utilization and to avoid conflicts with other projects and efforts
- Wave 4 (Bastrop Disaster Recovery environment) planning in progress for early start
- Additional project information will be presented during the Business Integration update

2011 Net Service Availability (Retail and Market Ops)

2011 Net Service Availability Year to Date



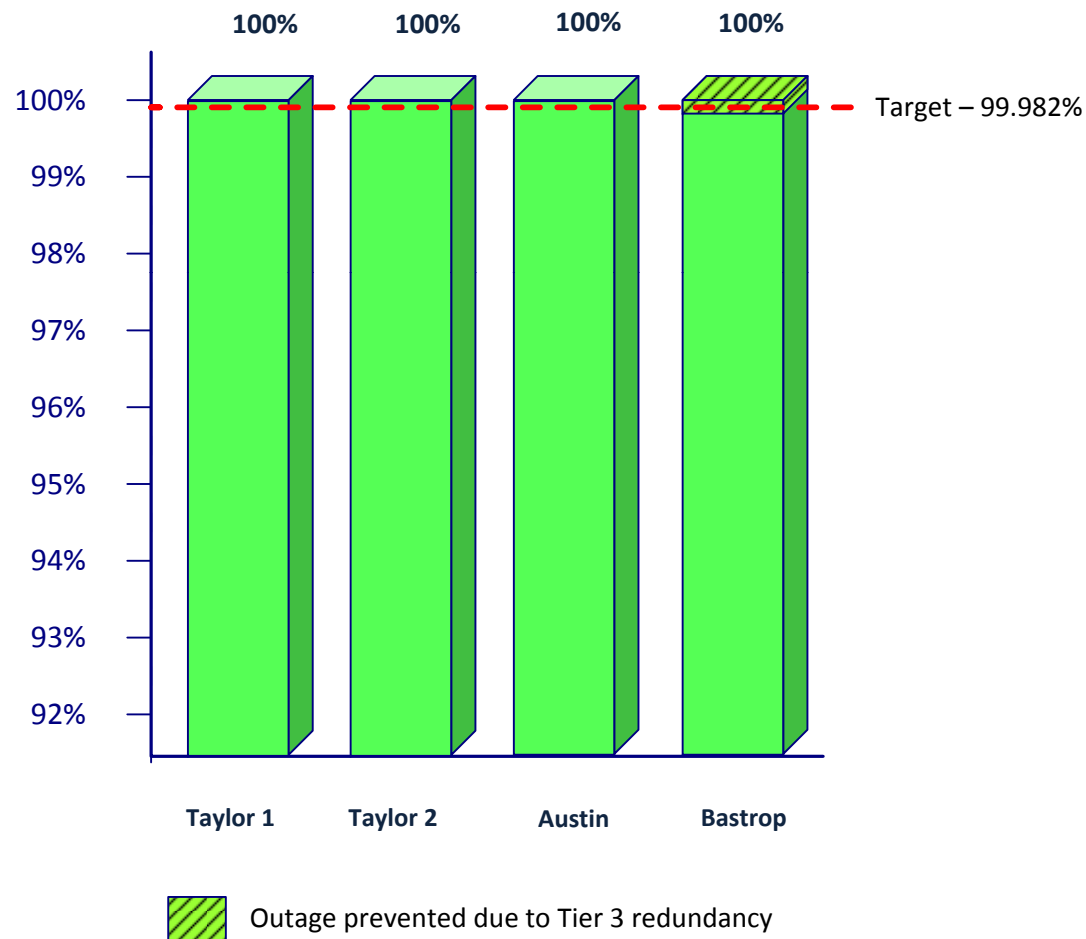
2011 Net Service Availability (Grid Ops)



Grid Operations		
MMS Aggregate SLA Target: 99%	EMS LFC Target:	99.93%
EMS Aggregate SLA Target: 99%	Outage Scheduler Target:	99%
MMS SCED SLA Target: 99.93%	NMMS Target:	97%

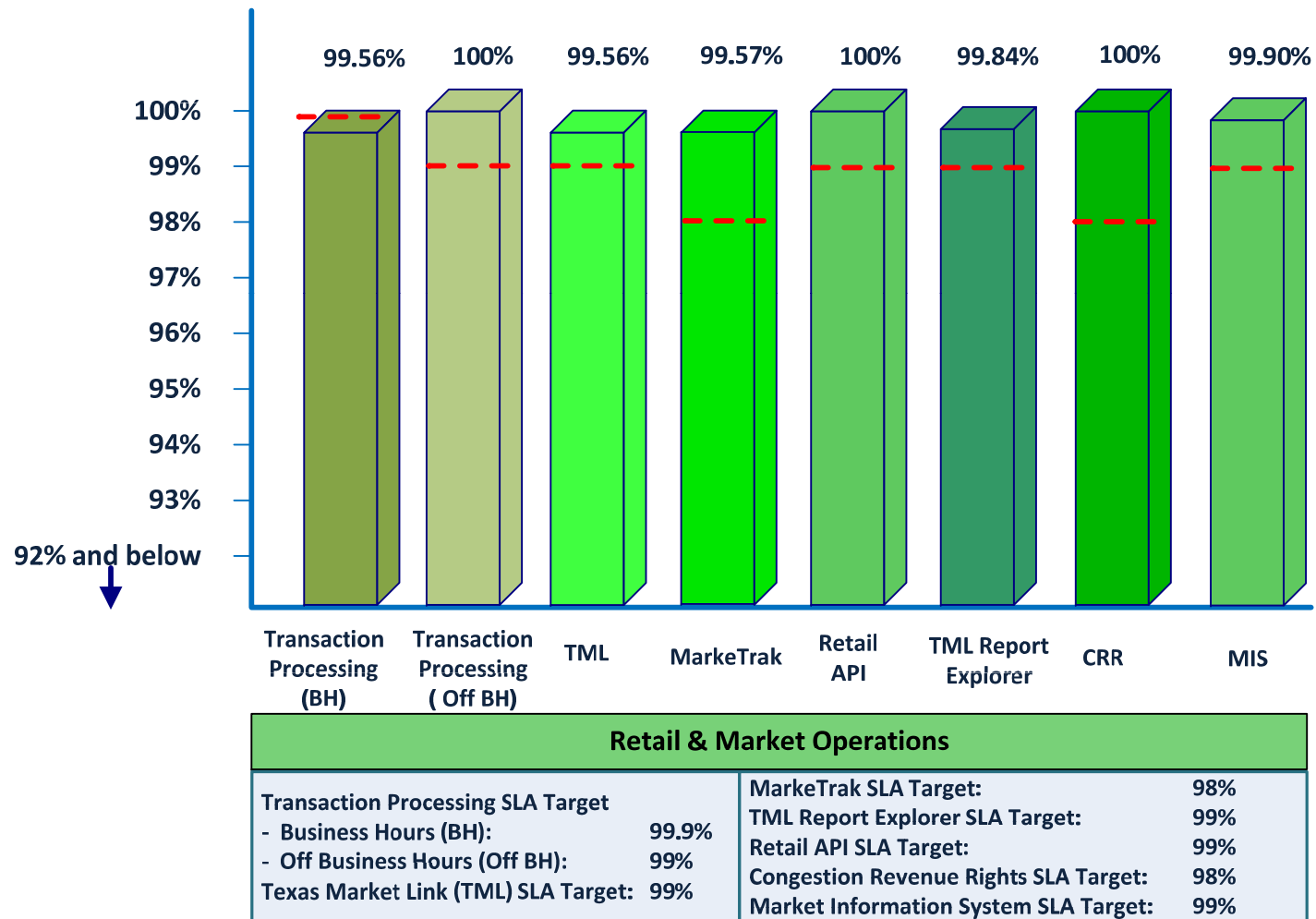
2011 Data Center Availability

2011 Data Center Availability Year to Date



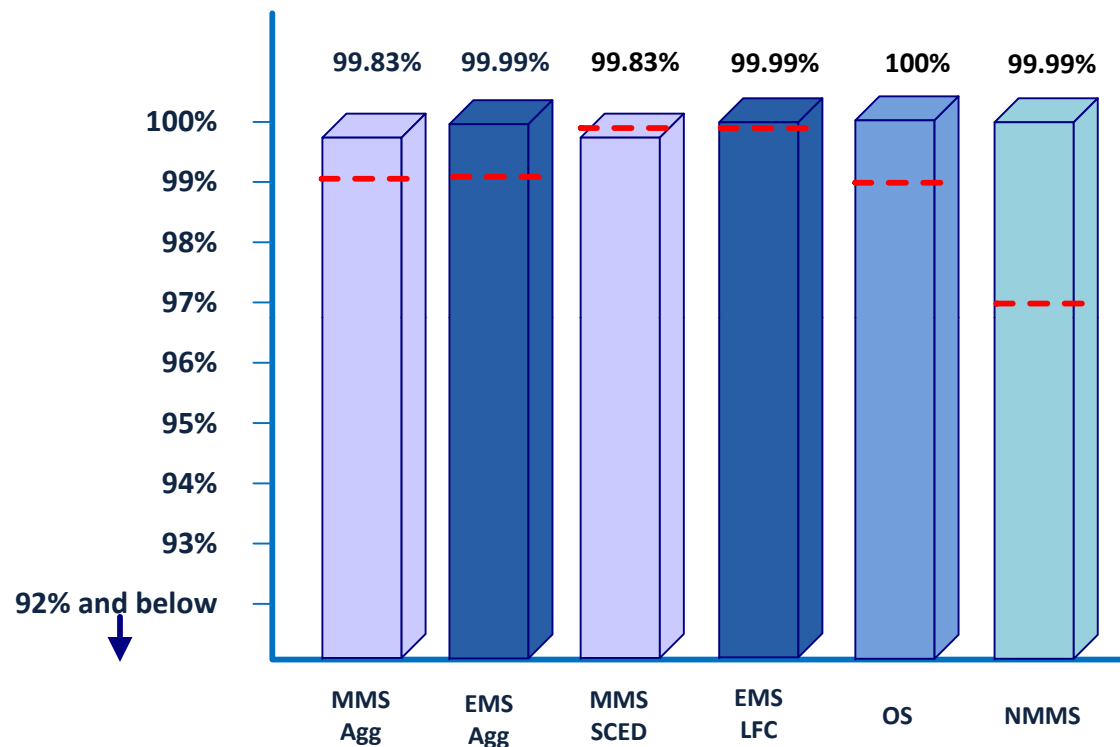
April 2011 Net Service Availability

April 2011 Net Service Availability



April 2011 Net Service Availability

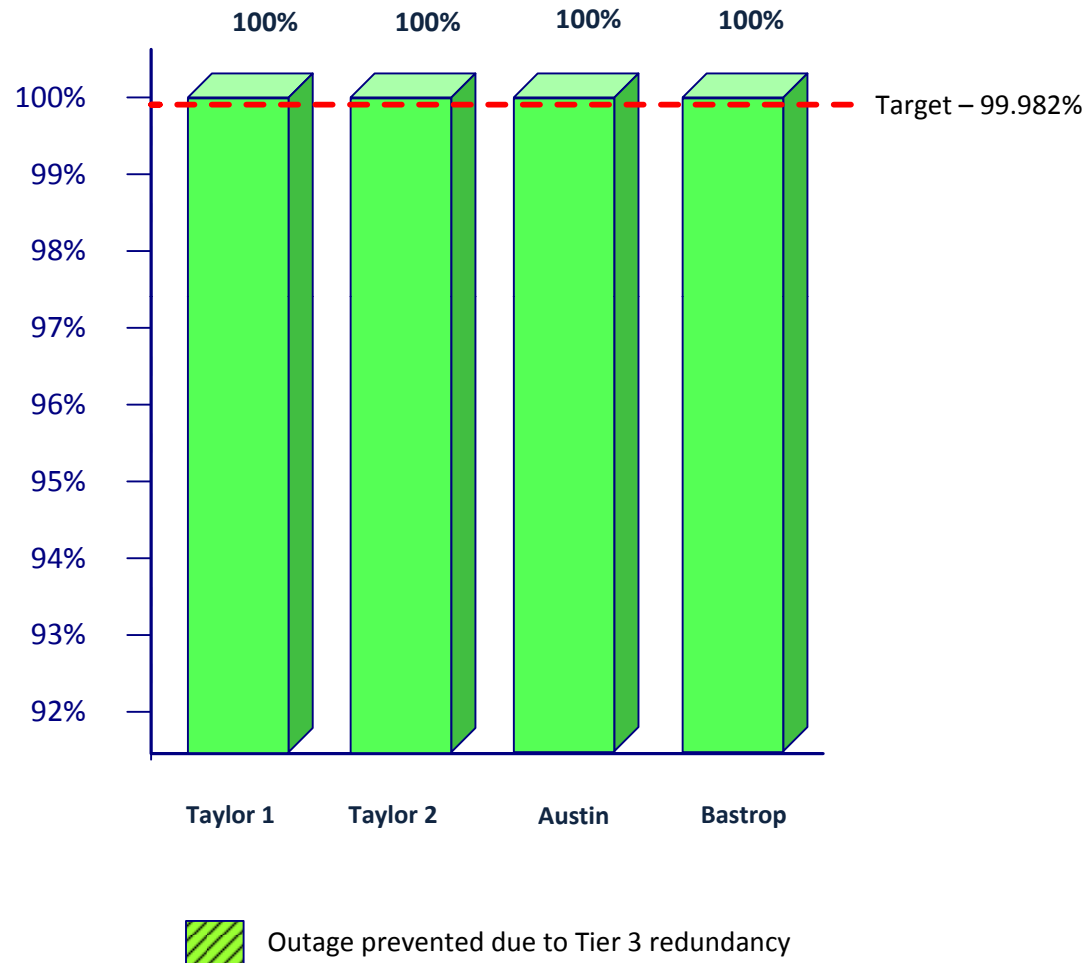
April 2011 Net Service Availability



Grid Operations		
MMS Aggregate SLA Target:	99%	EMS LFC Target:
EMS Aggregate SLA Target:	99%	Outage Scheduler Target:
MMS SCED SLA Target:	99.93%	NMMS Target:
		99.93%
		99%
		97%

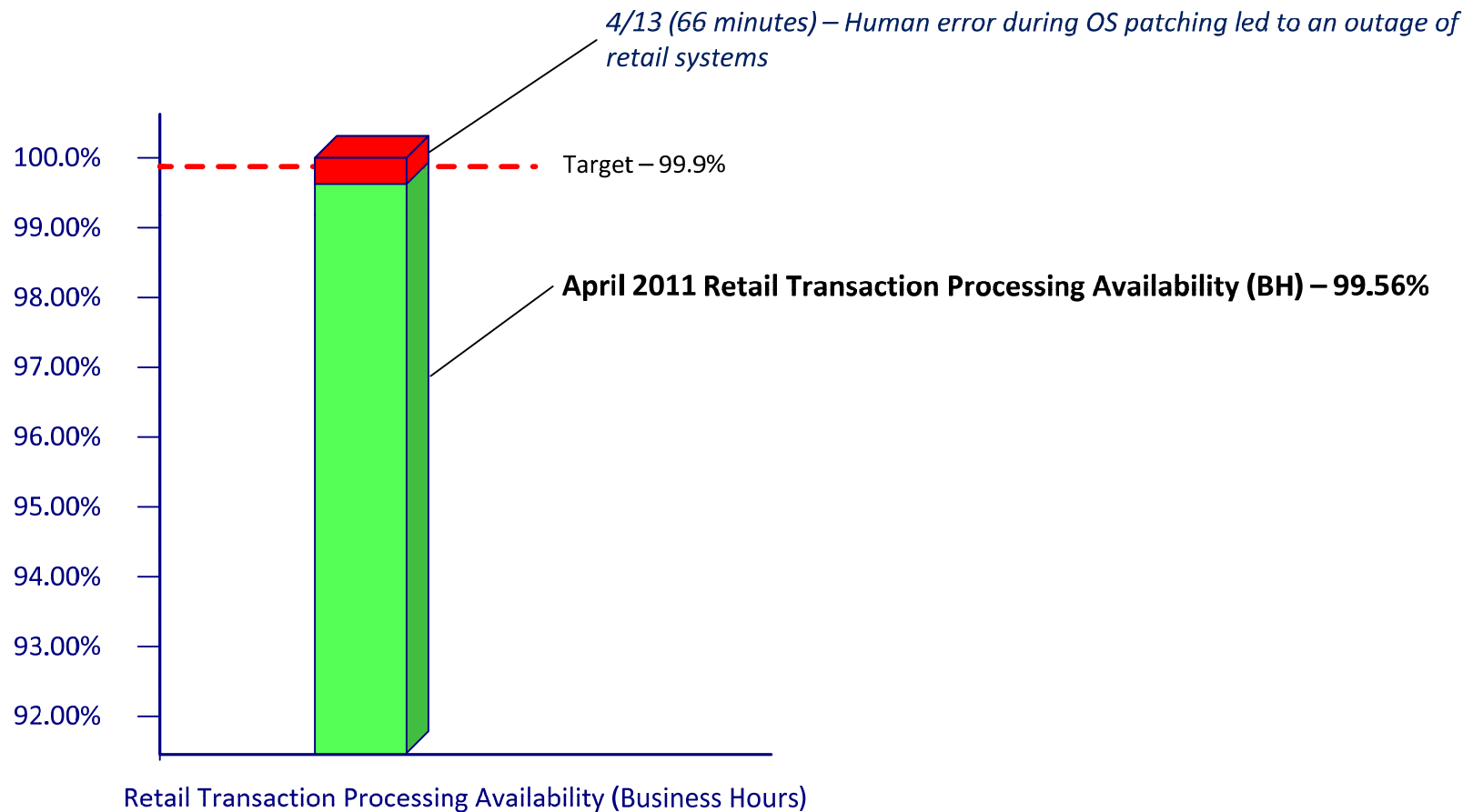
April 2011 Data Center Power Availability

April 2011 Data Center Availability



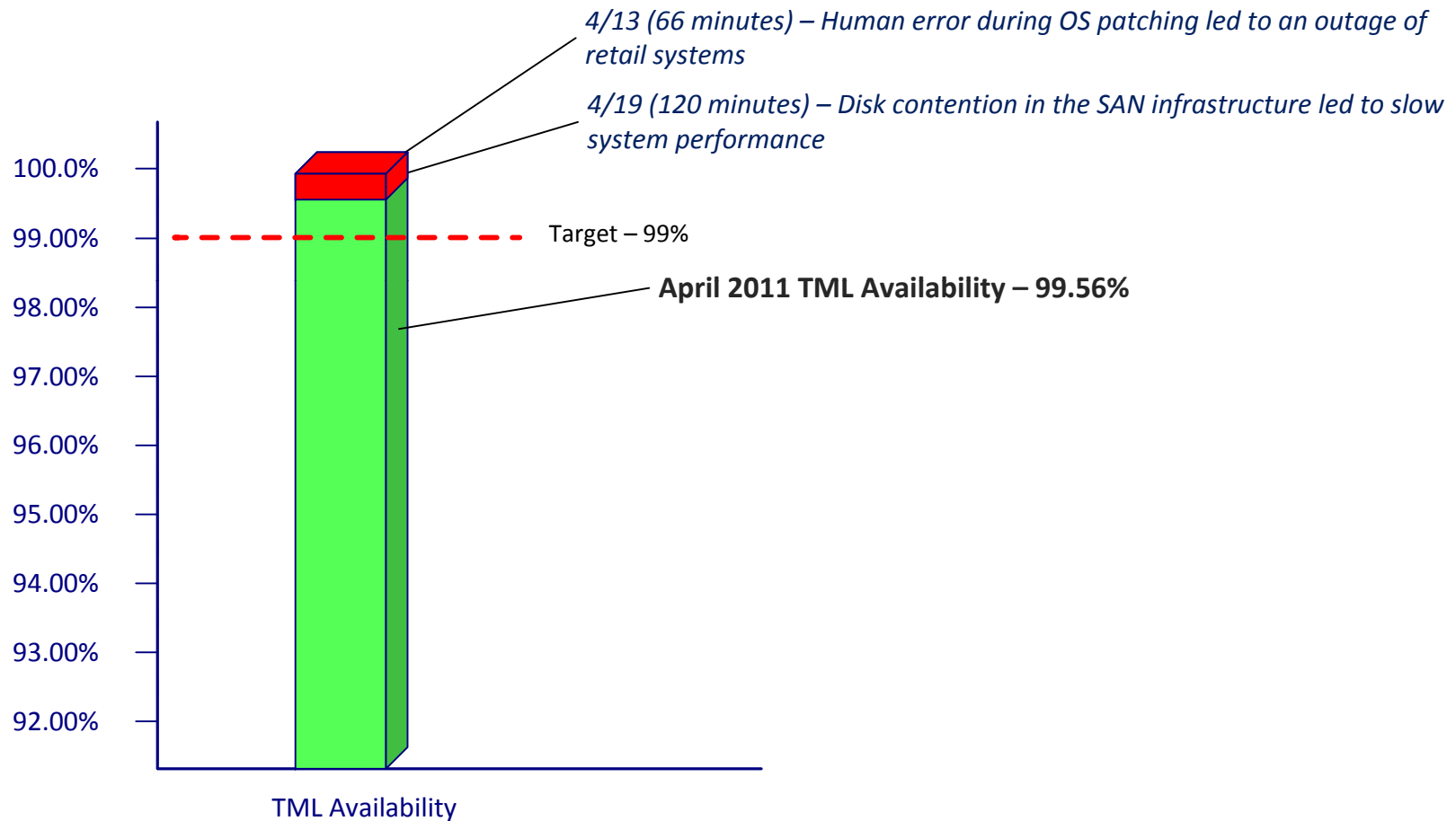
Retail Processing (Business Hours) Availability

April 2011 Retail Transaction Processing Availability Summary (Business Hours)



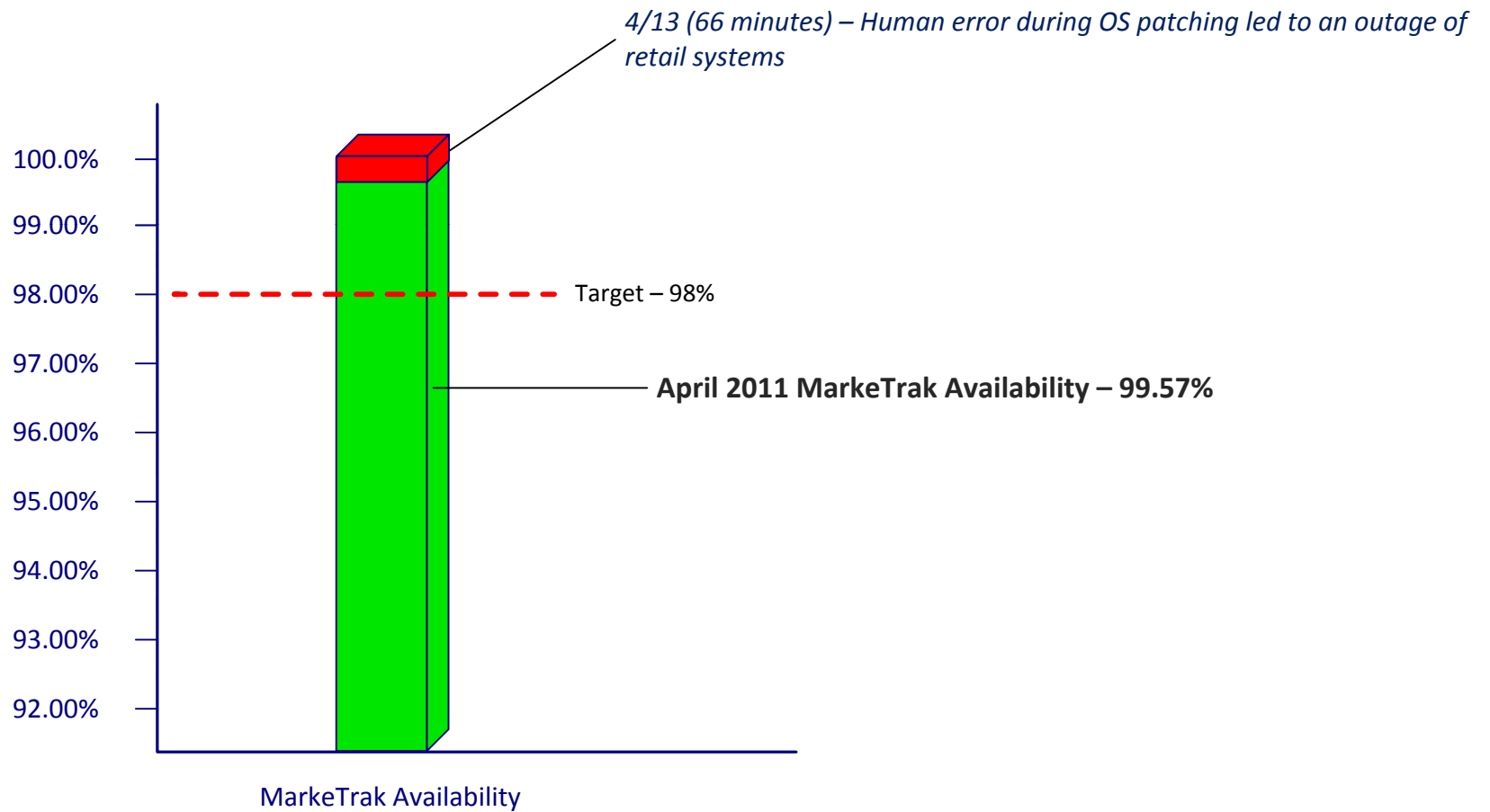
TML Availability

April 2011 TML Availability Summary



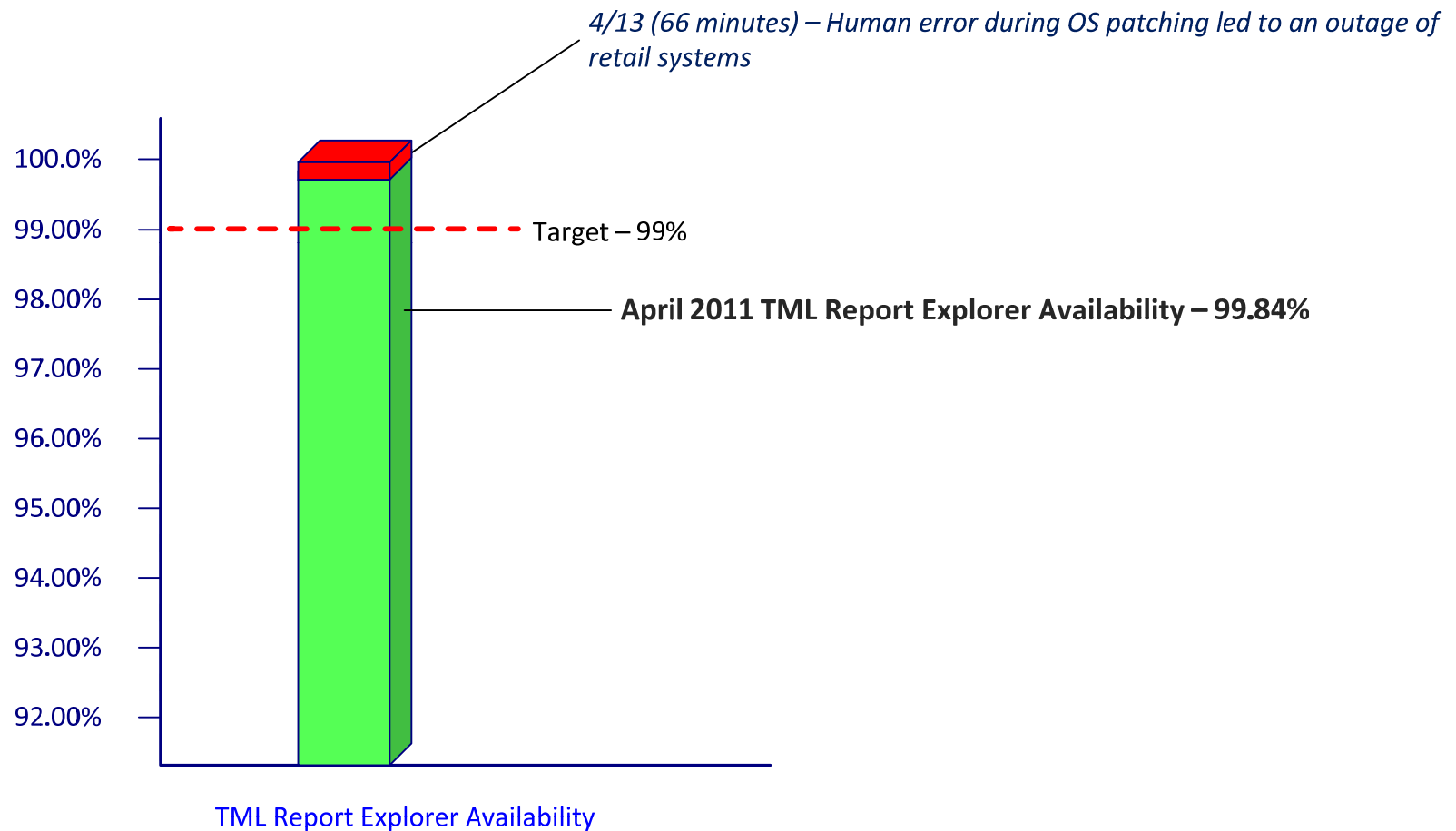
MarkeTrak Availability

April 2011 MarkeTrak Availability Summary



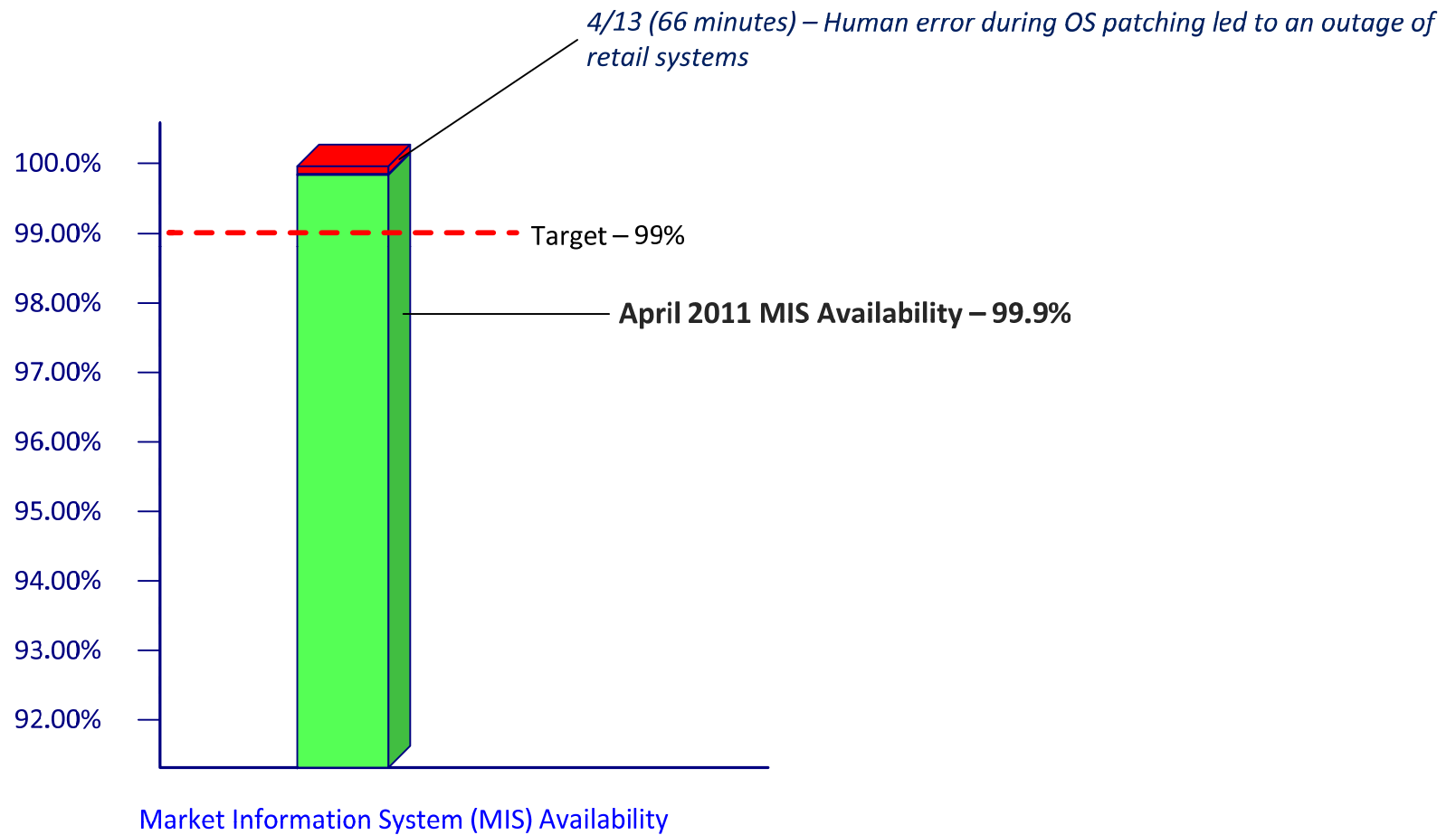
TML Report Explorer Availability

April 2011 TML Report Explorer Availability Summary



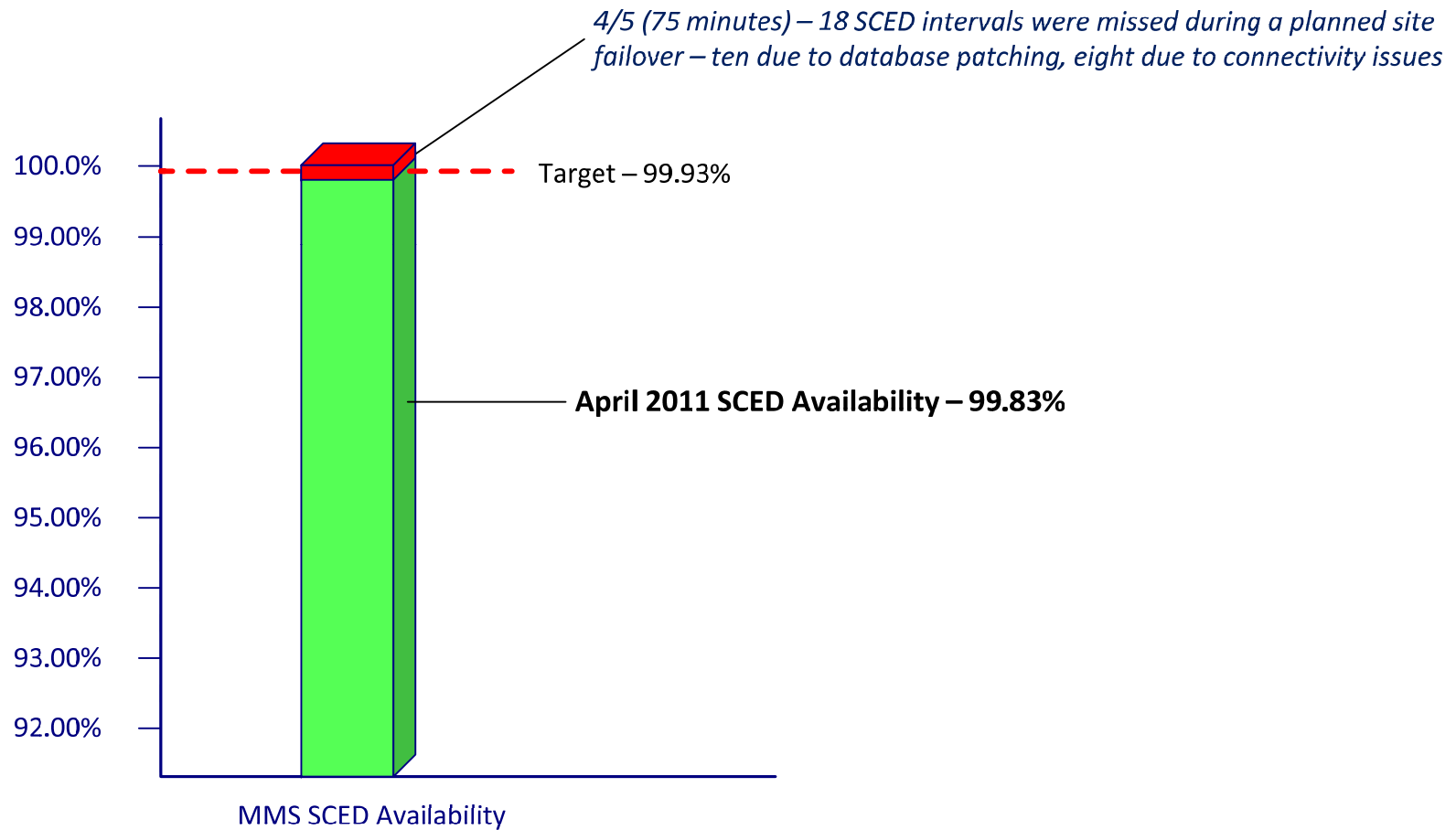
MIS Availability

April 2011 MIS Availability Summary



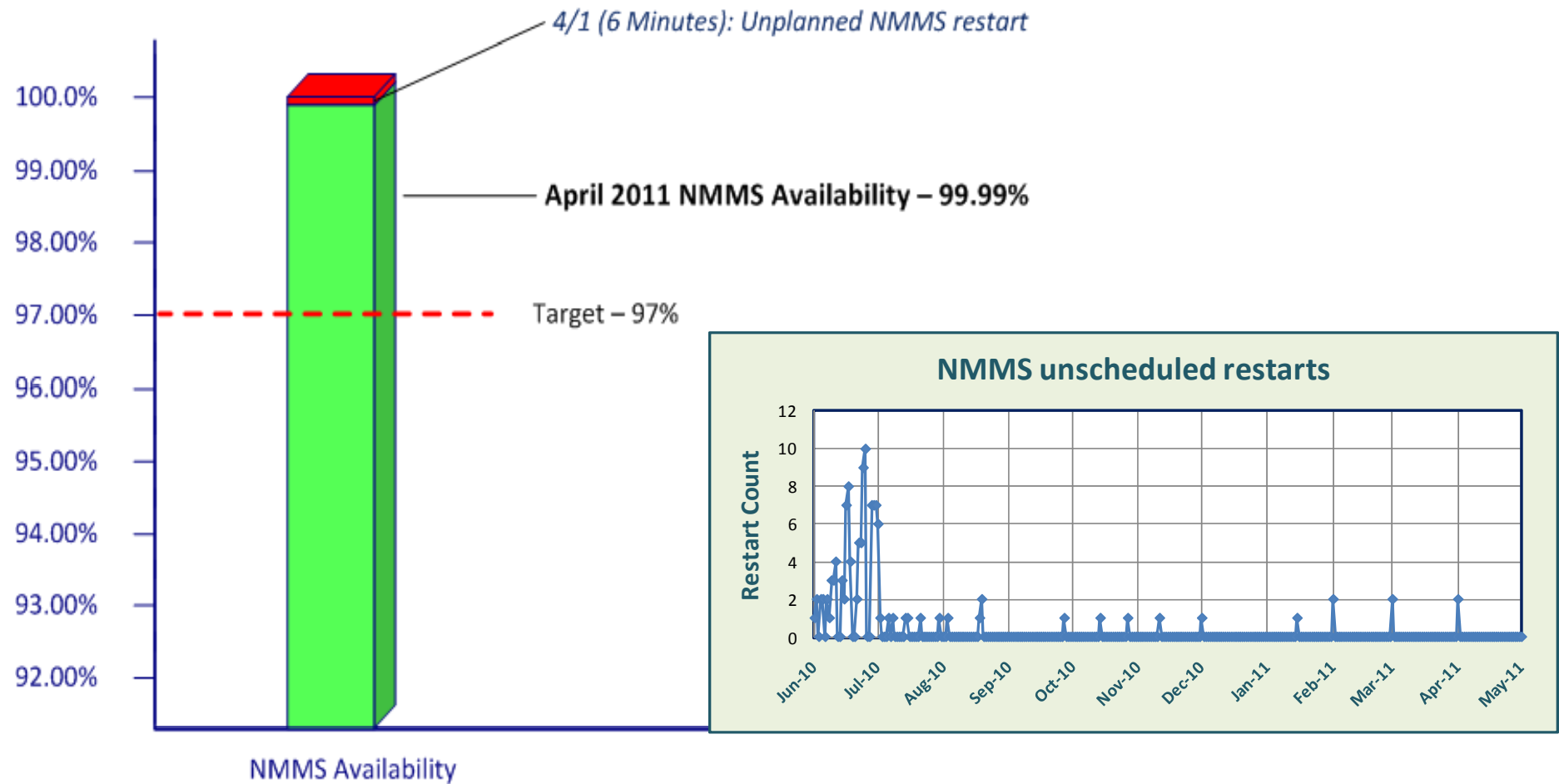
MMS SCED Availability Summary

April 2011 MMS SCED Availability Summary

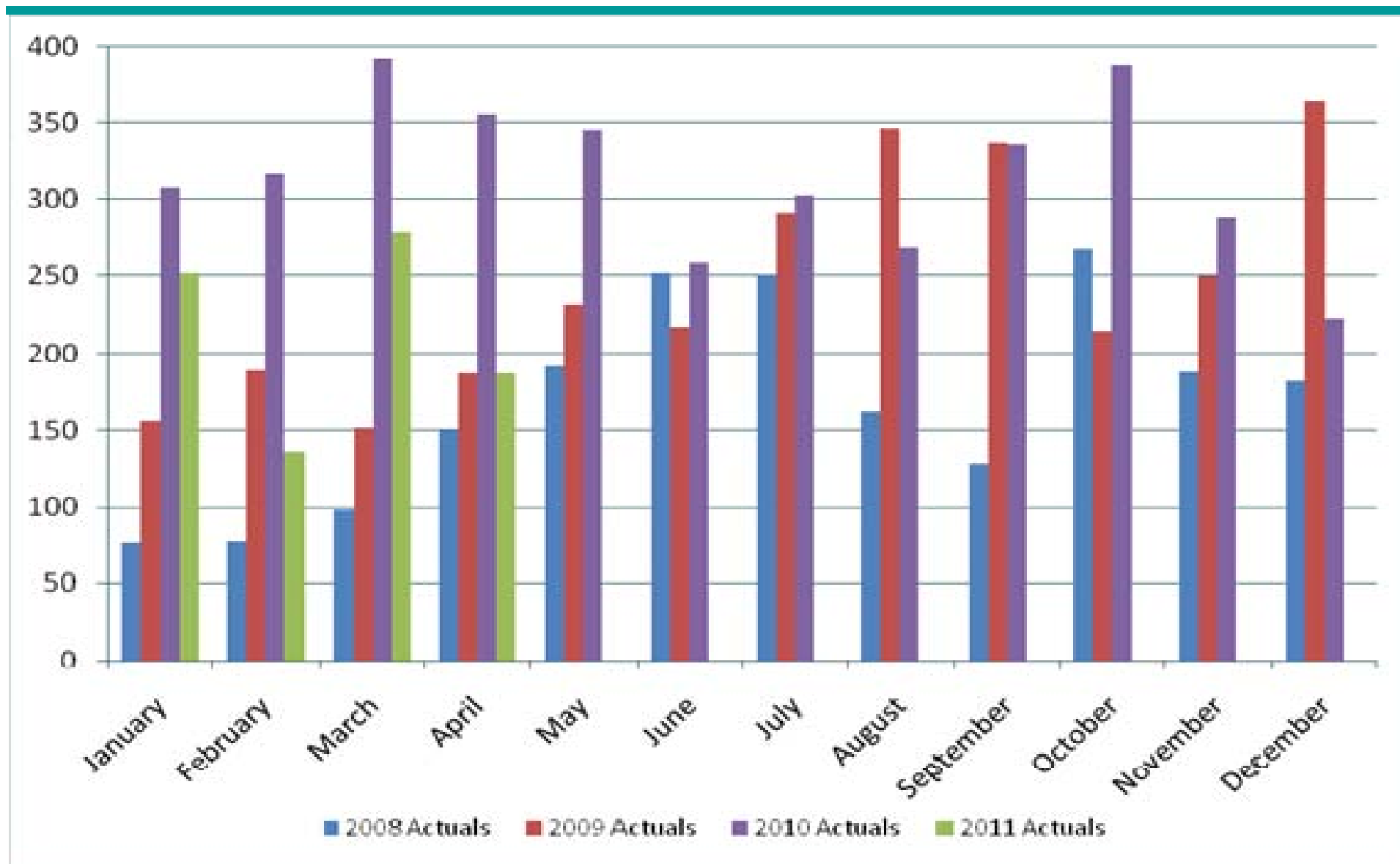


Network Model Management System

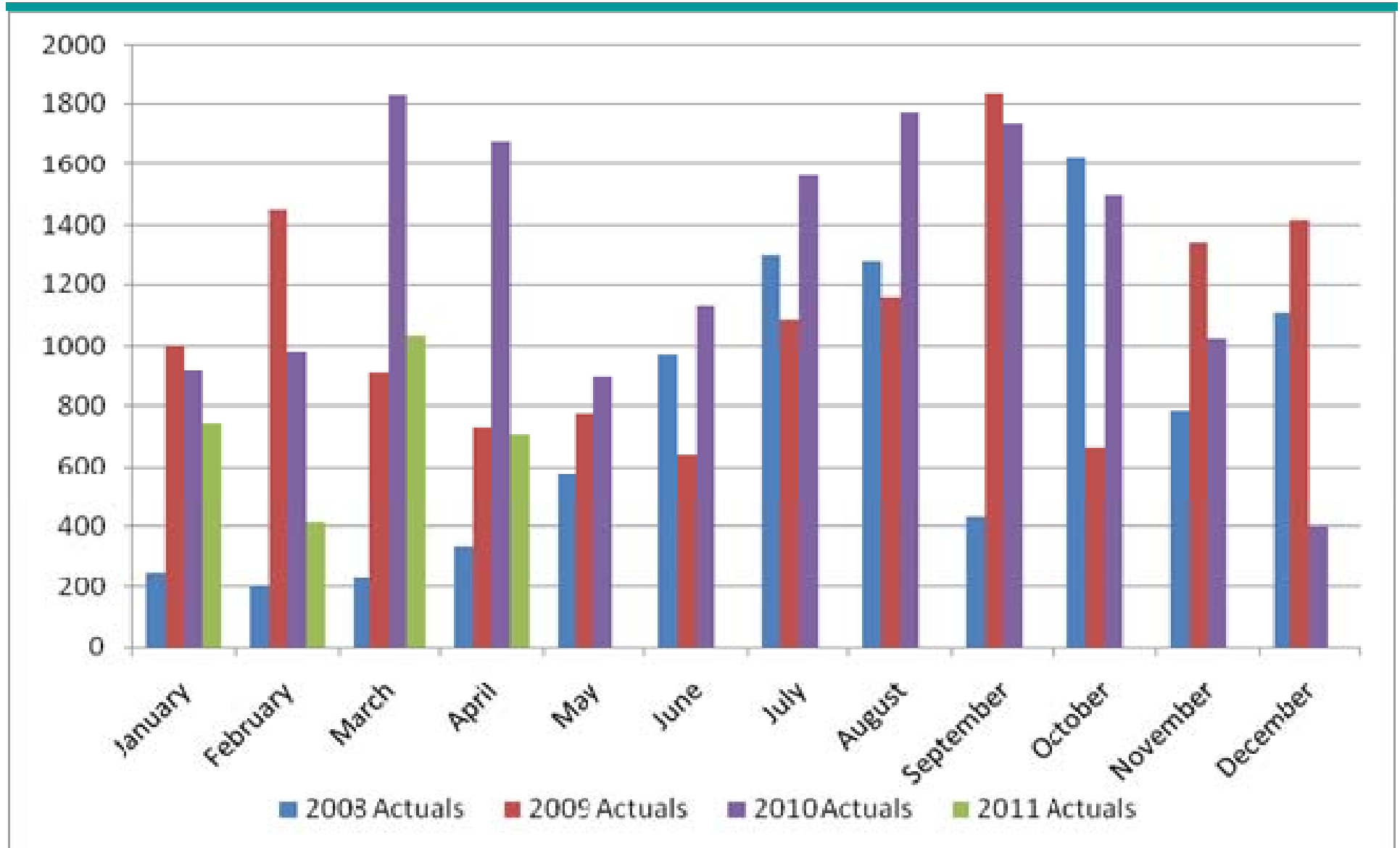
April 2011 Network Model Management System (NMMS) Availability Summary



Release Management Metrics (Releases)



Release Management Metrics (Changes)



ERCOT Public Website Metrics (April 2011)

Name↑	Reports	Status	Visits	Avg. Time on Site	Bounce Rate	Completed Goals	Visits % Change	Actions
http://faq.ercot.com UA-460876-6								
★ faq.ercot.com	View report	✓	937	00:02:00	49.31%	0	↓ -0.74%	
http://search.ercot.com UA-460876-8								
★ search.ercot.com	View report	✓	5,969	00:03:08	50.68%	0	↑ 4.32%	
http://www.ercot.com UA-460876-2								
★ www.ercot.com	View report	✓	109,845	00:02:51	60.16%	2	↑ 10.01%	
Find profile: <input type="text"/>								
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