

Information Technology Service Availability Metrics

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ERCOT Board of Directors

May 20, 2009

Agenda and Commentary

❖ Retail and Wholesale Systems Performance

- Retail Transaction Processing April performance was 99.91%. This was above the service level target of 99.9%
- TML, TML Report Explorer April performance was 99.89%. This was above the service level target of 99%
- MarkeTrak , Wholesale Total, Retail API April performance was 100%

Market and Grid Control Systems Performance

 Real Time Balancing Market (RTBM), Frequency Control (FC) – April performance levels were 99.861% and was 100% respectively



Agenda and Commentary (continued)

Nodal Systems Performance

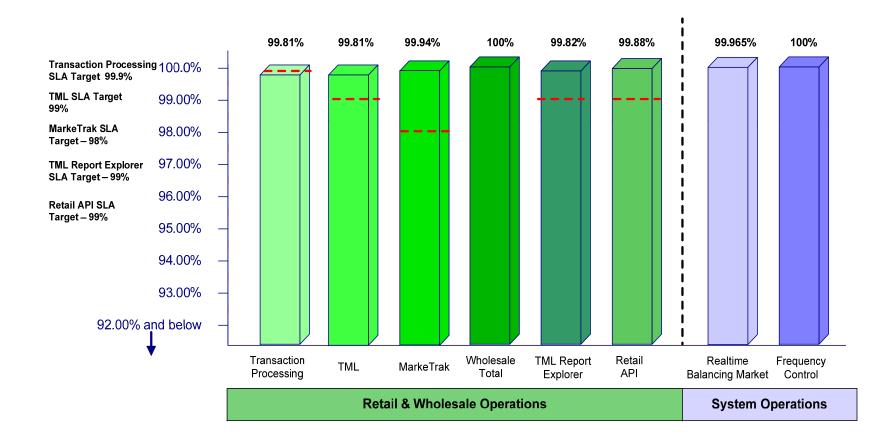
- H/W Infrastructure, Grid and Market system April performance levels exceeded service level targets
- MIS, Current Day Reports (CDR) and Financial Clearinghouse April
 performance levels exceeded service level targets



2009 Net Service Availability

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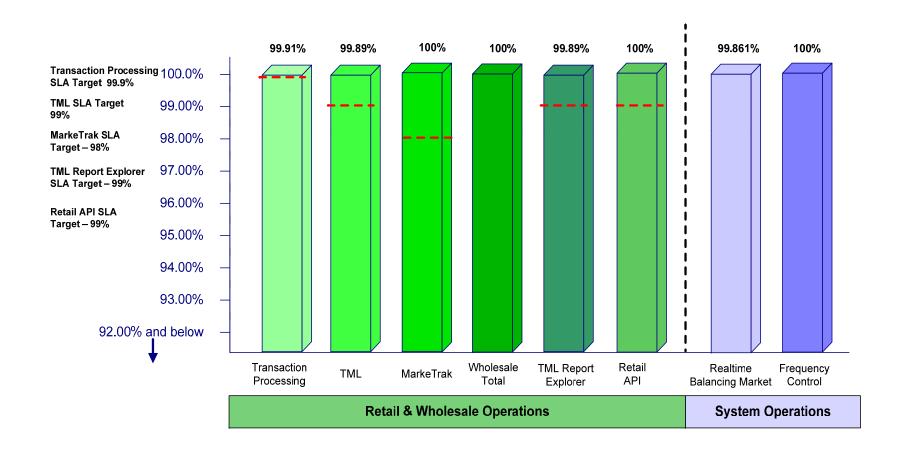
Through April 30th, 2009





April 2009 Net Service Availability

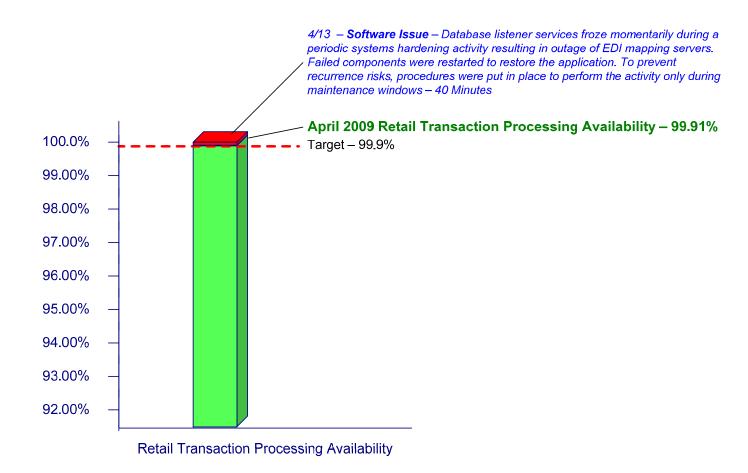
April 2009 Net Service Availability





Retail Transaction Processing Availability Summary

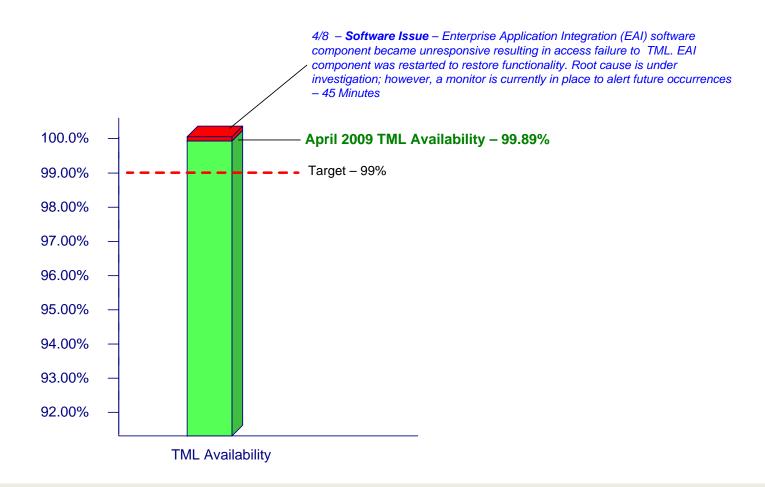
April 2009 Retail Transaction Processing Availability Summary





TML Availability Summary

April 2009 TML Availability Summary





MarkeTrak Availability Summary

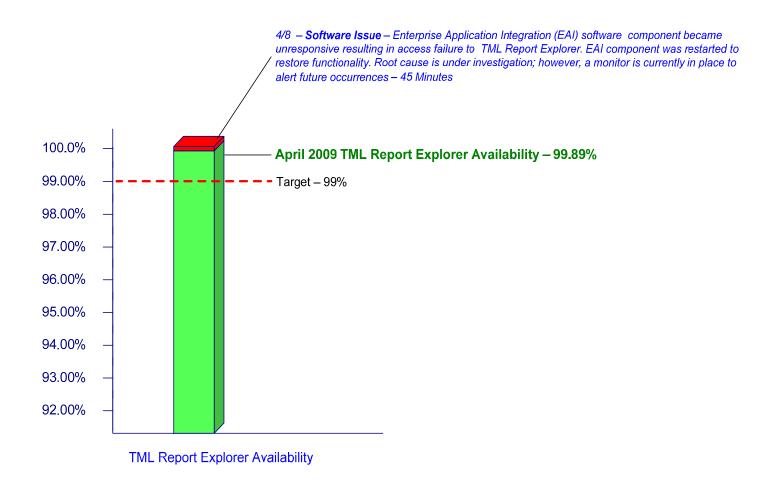
April 2009 MarkeTrak Availability Summary





TML Report Explorer Availability Summary

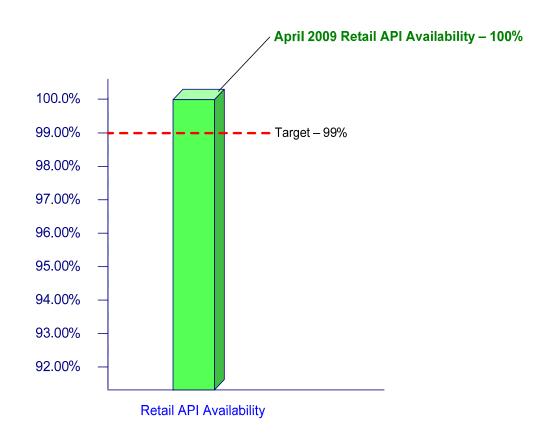
April 2009 TML Report Explorer Availability Summary





Retail API Availability Summary

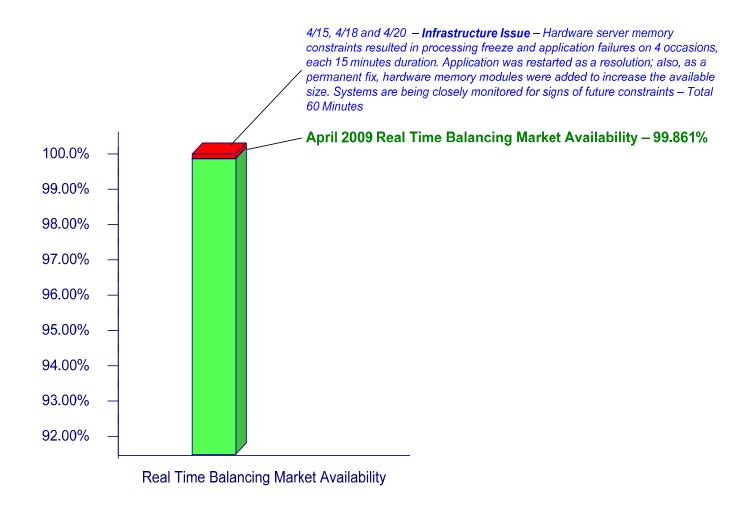
April 2009 Retail API Availability Summary





Real Time Balancing Market Availability Summary

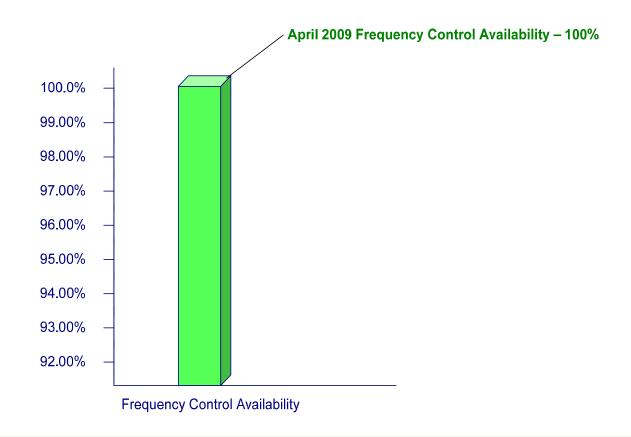
April 2009 Real Time Balancing Market Availability Summary





Frequency Control Availability Summary

April 2009 Frequency Control Availability Summary





Metrics Guide - Nodal Early Delivery Systems

EDS Hardware Infrastructure

 Measure of the availability of the systems that compose the "Early Delivery Systems" where Nodal applications are deployed

Aggregate Energy Management System (EMS)

 Measure of the availability of software that provides real time grid control capability. Calculated as average of deployed & monitored components availability

Aggregate Market Management System (MMS)

 Measure of the availability of the software to economically deploy generation and manage day ahead, real time and ancillary services markets. Calculated as average of deployed & monitored components availability

Outage Scheduler

 Measure of the availability of the software to manage the submission, modification, deletion of schedules for various types of transmission and generation systems' outages

Network Model Management System (NMMS)

Measure of the availability of the software to manage the ERCOT network model.
 Calculated as availability of model management core engine (IMM)



Metrics Guide - Nodal Early Delivery Systems (Contd.)

Congestion Revenue Rights (CRR)

 Measure of the availability of software to manage the financial instruments that help Market Participants hedge against losses due to transmission constraints.

Aggregate Market Information System (MIS)

 Measure of the availability of software that provides web-based interfaces for Market Participants to interact with ERCOT markets. Calculated as average of deployed & monitored user-interface components availability

Current Day Reports (CDR)

 Measure of the availability of the software that allows Market Participants query and download reports related to grid and market operations in near real time

Settlements & Billing (S&B)

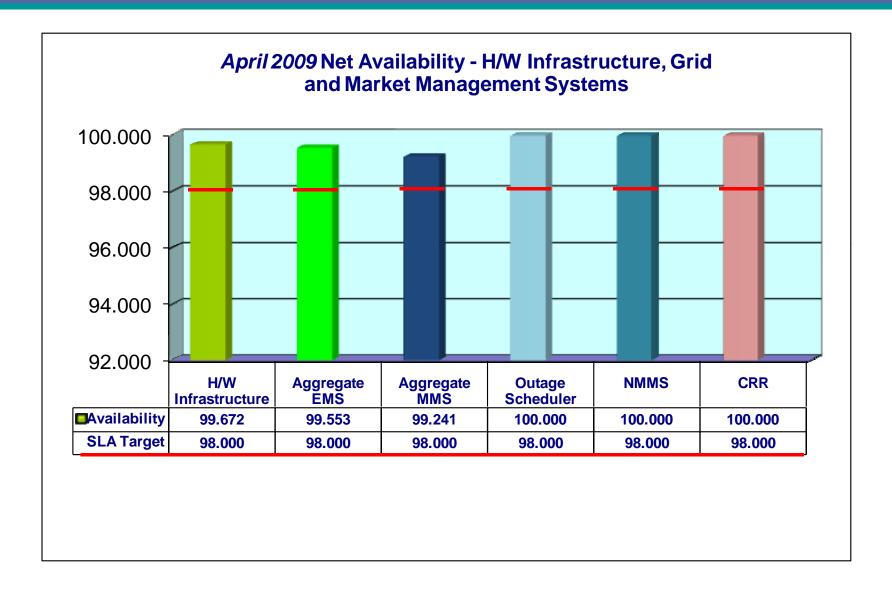
 Measure of the availability of the software to financially settle Market Participant transactions and generate statements and invoices

Credit Monitoring and Management (CMM)

 Measure of the availability of the software to determine credit exposure of Market Participants to the ERCOT markets and continually monitor their ability to meet the credit standards



Nodal EDS Environment - April 2009 Net Availability





Nodal EDS Environment - April 2009 Net Availability (Contd.)

