

Audit and Compliance, Incidence Response Preparedness, and Enterprise Risk Management Update

Steve Byone Chief Financial Officer

Board of Directors Meeting August 15, 2006

Agenda

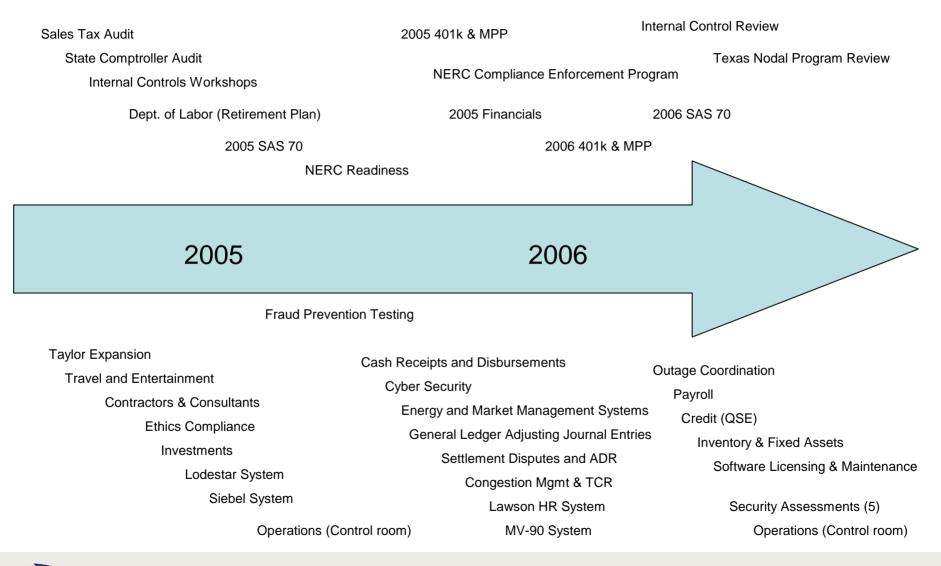
- Audit and Compliance Update
- ERCOT Incident Response Preparedness
- Enterprise Risk Management Update



Audit Update

- ERCOT has been subject to numerous External and Internal Audits and Formal Reviews
- In the last 18 months (beginning January 2005), ERCOT has been subject to 12 External Audits/Reviews and 22 Internal Audits
- Additionally, Management has recently completed a 'self assessment' of ongoing compliance with all applicable laws, regulations, protocols, contractual obligations, disclosure mandates, and other requirements







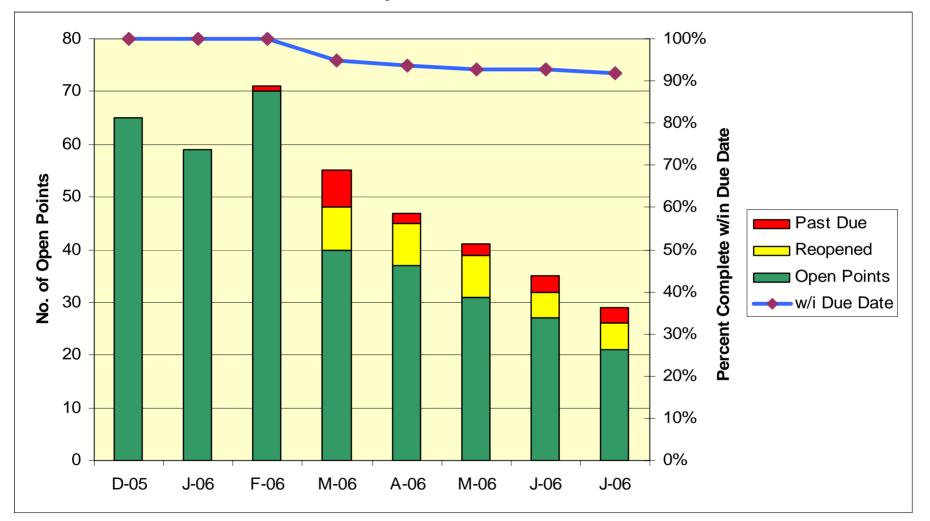
August 2006 Recently Completed, Opened, and Planned Audits

Audits Completed (last three months)	<u>Open Audits</u>	<u>Planned Audits</u> (next 3 months)
Internal Audits • Lawson HR System • MV90 System • Payroll • Outage Coordination	 Internal Audits Credit (QSE) Inventory & Fixed Assets Software Licensing & Maintenance Fraud Prevention (ongoing) 	 <u>Internal Audits</u> Ethics Compliance Consultants, Contractors & Compliance Investments Corporate Communications System Operations Development of 2007 Audit Plan
External Audits • 2005 Financial (PwC)	<u>External Audits</u> • 2006 SAS70 (PwC) • Internal Controls (D&T)	 <u>External Audits</u> Texas Nodal Program Review (managed by IAD) 401k / MPP (PwC) Various reviews of ERCOT's network and system security.



Audit Update – August 2006

Status of Open Audit Points - 2006





Compliance Update

August 2006 – Management Compliance "Self Assessment"

- Each ERCOT Officer has been asked to identify the Compliance Requirements within their respective organizations
- For each requirement, an assessment is made of whether the area is in compliance, 'substantially compliant'*, or not in compliance with any 'non-yes' answer requiring further explanation.
- Out of 98 areas identified, none were deemed to not be in compliance although 12 were deemed to be 'substantially in compliance':
 - Details regarding 'substantially in compliance' are included in your Executive Session materials

^{*} **Substantially Compliant**" means compliance with essential requirements of a statutory provision, standard, policy or procedure as may be sufficient for the accomplishment of the purpose thereof. As such, there may be an accidental mistake or a good business reason for a minor modification or deviation from the statutory provision, standard, policy or procedure, but that does not affect that substantial compliance has been met of the statutory provision, standard, policy or procedure.



August 2006 Management Compliance – Next Steps

- Continue to address 12 'Substantially Compliant' items by the end of 2006 so that ERCOT is in 'full compliance' in all areas
- Seek external review of identified Compliance Areas to confirm completeness and appropriateness
- Require quarterly signed Management Attestation as to the accuracy of the Compliance Certification Report
- Continue semi-annual review of compliance results with the Board of Directors

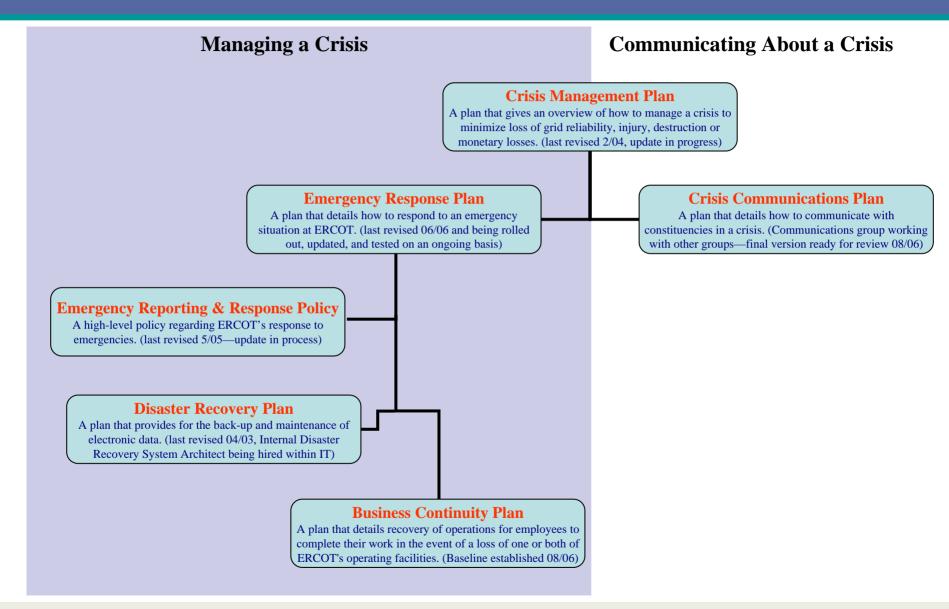


ERCOT Incident Response Preparedness

- As of the Beginning of 2006, ERCOT had outdated Emergency Preparation and Communications Plans, many dating from 2002 / 2003 and not generally known to Staff and Management
 - Grid Operations has always had robust Communications and Disaster Recovery plans, however Market Operations and Corporate functions lacked up-to-date actionable procedures
- During 2006, a comprehensive effort was undertaken to rewrite and update the various Incident Response plans as well as 'run through' simulated Emergency Situations.
- Additional effort is necessary to update IT Disaster Recovery Plans and System Architecture Recovery Processes



ERCOT Incident Response Preparedness – August 2006





- NERC has issued new Cyber Security (CIP) protocols which are being enacted at ERCOT
- Ongoing coordination with Texas Division of Emergency Management / State Operations Center and other State and Federal Resources
- ERCOT is in the process of adopting the NERC Guidelines on Pandemic Planning ("Bird Flu")
 - Ongoing contact is maintained with regional and national health authorities on current health alerts and 'best practices'
 - Mechanisms are in place to control access by individuals to ERCOT facilities in case of a pandemic
 - Facilities, System Operations, IT, Legal, and Human Resources staff have been involved in planning for workplace interruptions
 - Medical, disinfectant, and isolation supplies are on hand
 - ERCOT has participated in a recent PJM conference on Avian Influenza planning and will host a Symposium on October 31, 2006



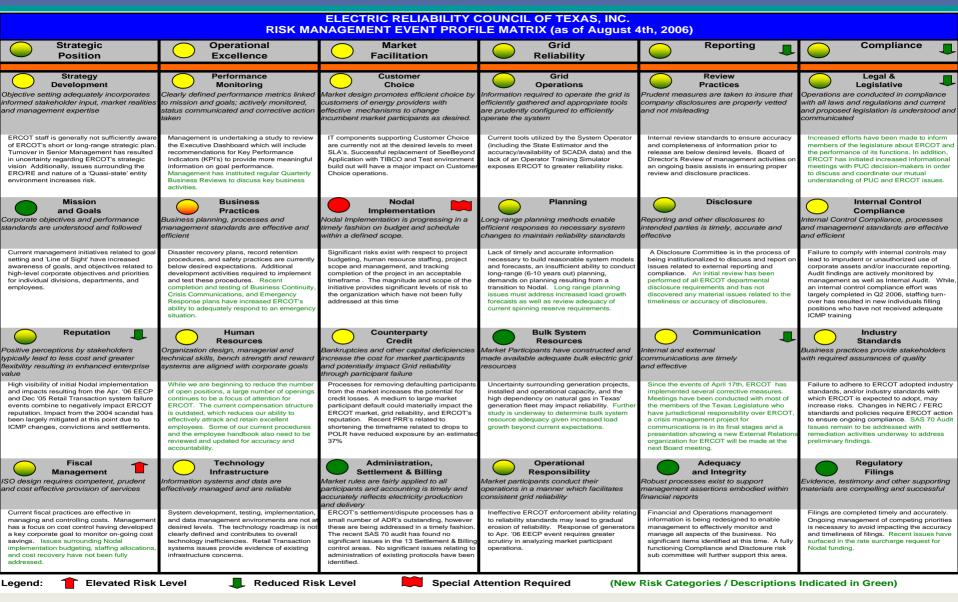
Enterprise Risk Management Update

Enterprise Risk Management Update

- ERCOT established a formal ERM program in 2005
- Management reviews key enterprise risks on a monthly basis
- Changes in management assessment of a key risk are reviewed by Finance & Audit Committee monthly
- Governance structure calls for a Board of Directors update semi-annually
- Appendix includes overview of ERCOT's ERM program



August 2006 Risk Inventory "Stoplight" Report





Comments or Questions?



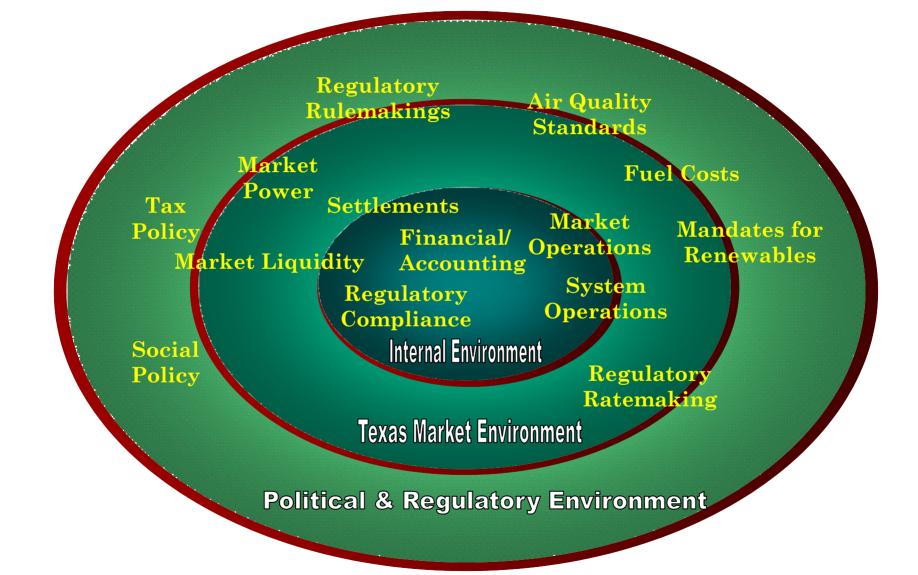
Appendix: ERCOT ERM Concepts

ERM Concepts: Definitions of Risk and Loss

- Risk is the potential for loss due to uncertain future business factors:
 - Internal factors such as employee actions, lack of controls, training deficiencies, etc.
 - External factors such as credit risk, market participant performance, fuel availability, weather (hurricanes), etc.
- "Loss" refers to falling short of performance expectations



ERM Concepts: ERCOT Risk Environment





August 15, 2006

Examples of possible "loss" ERCOT could experience due to risk:

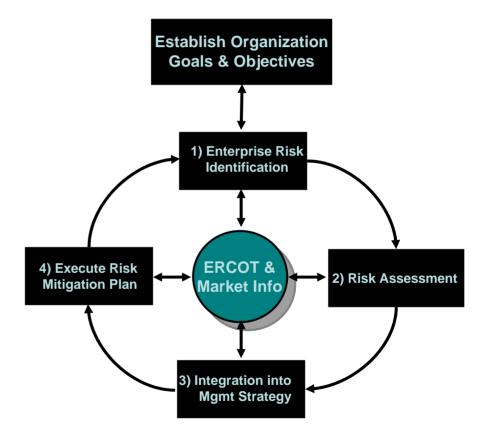
Blackout
 Unreliable systems
 Loss of credibility
 Inaccurate settlements
 Increased regulatory scrutiny
 Credit losses
 Possible unfavorable legislation
 Compliance failure / fines, penalties

In short, inability to fulfill core mission



The major goals of the ERCOT ERM Program are to:

- Identify risks and how they cross enterprise boundaries.
- Quantify risk through analysis and assessment.
- Develop plans, strategies, and contingencies for managing identified risks.
- Implement and administer the plans developed.

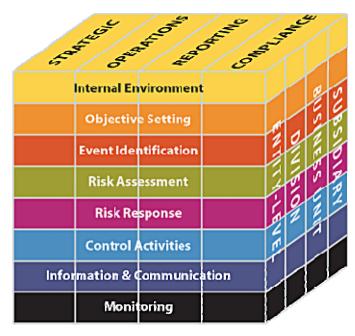




ERM Concepts: The COSO ERM Framework

- The COSO ERM framework defines essential components, suggests a common language, and provides clear direction and guidance for enterprise risk management.
- ERCOT currently employs the COSO framework for the Internal Control Management Program and the ERM framework is a natural extension.
- The COSO framework has the support of leading Financial and Accounting Associations in the United States
- The COSO framework is the primary vehicle used by public entities subject to Sarbanes-Oxley compliance.

COSO ERM Framework



Entity objectives can be viewed in the context of four categories:

- Strategic
- Operations
- Reporting
- Compliance

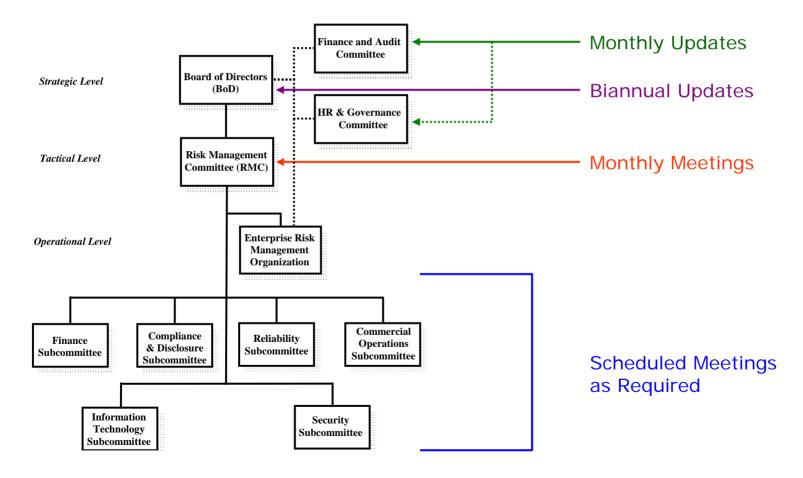
ERCOT's ERM Framework

The COSO ERM Framework		ERCOT ERM Concepts
ERCOT has aligned its ERM program with the COSO Integrated Framework for Enterprise Risk Management	Program's Purpose	Ensure that risks are dynamically identified, evaluated, managed, and monitored across the company within established risk philosophies, policies, standards, and the Board's tolerances; Provide for consolidated risk measurement analysis & strategy; and Provide for enterprise-wide risk-adjusted performance measurement capabilities.
Internal Environment R Objective Setting F Event Identification F Risk Assessment F Risk Response F	Conceptual Design	Dynamic identification, evaluation, management and monitoring of risks throughout the company. Consolidated risk measurement, analysis and strategy Formally assigning accountability & responsibility for risk management.
Control Activities	Governance	Finance and Audit Committee HR & Governance Committee Risk Management Committee (RMC) Tactical Level
Strategic Position Operations •Operational Excellence •Market Facilitation •Grid Reliability Reporting Compliance	Operational Voder Development	Enterprise Risk Management Organization Operational Level Finance Subcommittee Compliance & Disclosure Subcommittee Compliance Subcommittee Information Technology Subcommittee Security Subcommittee



ERM Governance Structure

Update Frequency





- ERCOT Board of Directors is responsible for recognizing all risks ERCOT is exposed to; and for ensuring that the requisite risk management culture, policies, practices, and resources are in place.
- ERCOT CEO is responsible for ensuring that the company's activities are carried out within the parameters of the risk management framework and for informing the Board of risks taken in pursuit of the company's objectives.
- ERCOT Line Management is responsible for the comprehensive management of risks arising from activities within their respective areas.

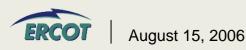


ERCOT has established a Risk Management Committee (RMC) which meets on a monthly basis to oversee ERCOT's management of corporate risks. The current members of the RMC are:

Sam Jones, CEO	Jim Brenton, Security	Steve Byone, CFO
Nancy Capezzuti, HR	Ray Giuliani, CMO	Ron Hinsley, CIO
James Thorne, GC	* Bill Wullenjohn, IA	

Regular invitee

The Risk Management Committee is assisted by the Manager, ERM and a number of operational subcommittees.



Currently, six subcommittees supporting the Risk Management Committee are contemplated:

- <u>Finance</u> Reviews interest rate, credit, liability mgmt, insurance and other financial exposures. (Steve Byone – Chair)
- <u>Compliance & Disclosure</u> Reviews strategies and performance in complying with applicable laws, regulations, codes, contractual agreements and standards. (James Thorne – Chair)
- <u>Security</u> Reviews physical and cyber security plans, potential threats to critical resources, business continuity and other security related risks. (Jim Brenton – Chair)

- <u>Reliability</u> Reviews generation and transmission adequacy plans, forecast assessments and other reliability related risks. (Kent Saathoff – Chair; Under Development)
- <u>Commercial Operations</u> Reviews market structure, market performance, settlements, dispute resolutions and other market related risks. (Ray Giuliani – Chair; Under Development)
- Information Technology Reviews IT strategies and standards for availability and accessibility of ERCOT's IT infrastructure including systems redundancy, systems development, data management and integrity and other IT related risks. (Ron Hinsley – Chair; Under Development)

