



# **ERCOT PMO Update**

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**Robert Connell**  
**Director Program Management**

**Board of Directors Update**  
**November 2005**

# 2005 YTD Project Performance

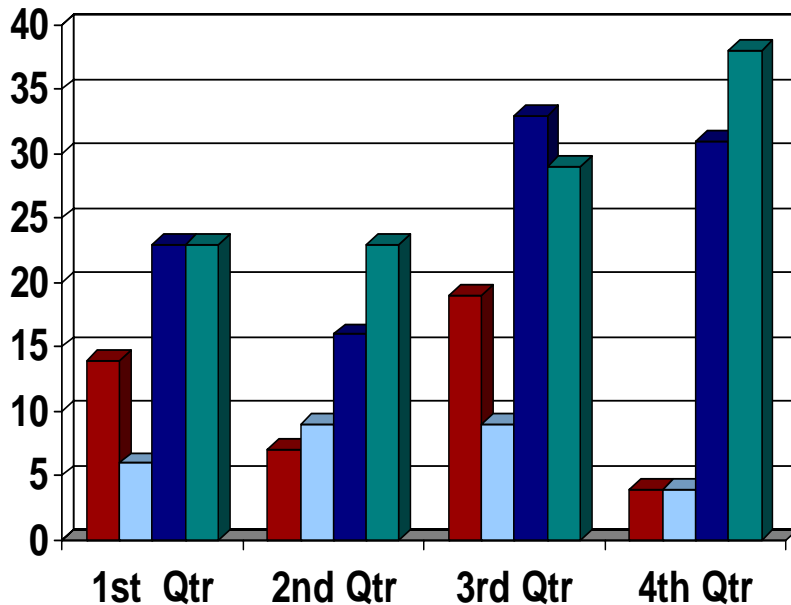
## Fourth Quarter Results (to 10/31)

- 4 completed, 44 YTD
- 4 in Initiation
- 31 in Planning
- 38 in Execution

## Project Process Improvements In 2005

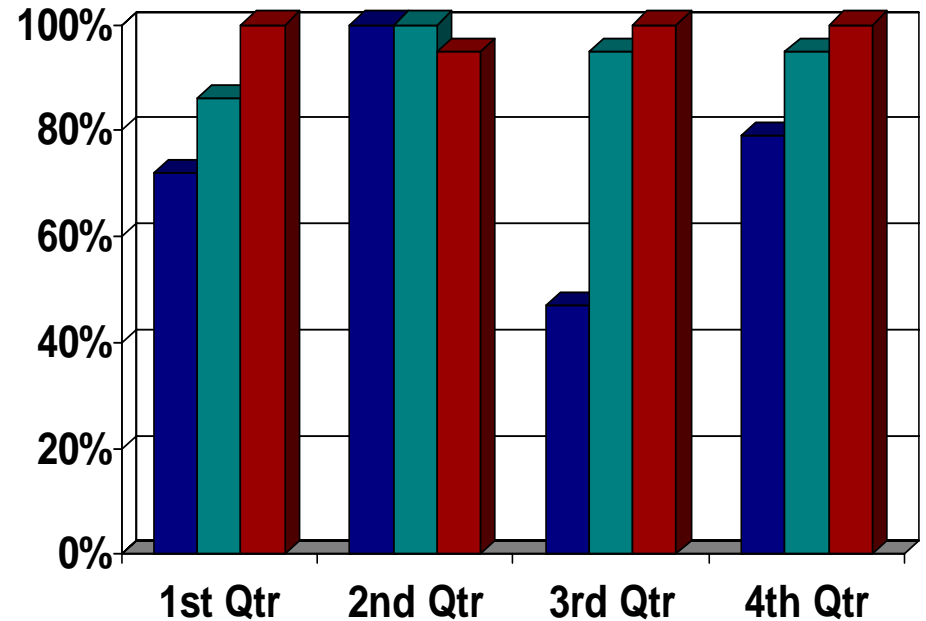
- PM Staff Completing PMP Certification
- Reviewing Prioritization Criteria with PRS & TAC
- Planning 2006 Program Portfolios

### Project Activity



■ Completed ■ Initiation ■ Planning ■ Execution

### Project Performance



■ On Time ■ On Budget ■ Deliverables















# Projected Completions to Year End

	<b>1st Quarter</b>	<b>2nd Quarter</b>	<b>3rd Quarter</b>	<b>4th Quarter</b>	<b>Projected</b>	<b>Total</b>	<b>Total Portfolio</b>
	<i>Jan - Mar</i>	<i>Apr - Jun</i>	<i>Jul-Sept</i>	<i>Oct</i>	<i>Nov - Dec</i>	<i>Year End</i>	<i>All Projects</i>
<b>Completed</b>	14	7	19	4	16	60	105
<b>On-Time</b>	71%	100%	47%	75%	79%	72%	78%
<b>On-Budget</b>	86%	100%	95%	100%	95%	97%	90%
<b>Deliverables</b>	100%	95%	95%	100%	100%	97%	97%

	<b>Completed</b>	<b>Initiation</b>	<b>Planning</b>	<b>Execution</b>	<b>Total Active</b>
<b>IO</b>	7	2	8	9	19
<b>CO</b>	0	1	4	4	9
<b>MO</b>	7	0	2	10	12
<b>RO</b>	4	0	5	3	8
<b>SO</b>	26	0	11	11	22
<b>Totals</b>	44	3	30	37	70

# Major ERCOT Projects Summary

Project	Total Budget	Actual 10/31	Metrics	
<i>Duration/Information (Sponsor)</i>	<i>Phase/Scheduled Completion</i>		<i>Schedule</i>	<i>Budget</i>
<b>Service Oriented Architecture (2004-2005)</b>	\$6.0M	\$4.9M		
<i>3 separate projects over 12 mos. (R Giuliani)</i>	<i>Execution Phase/4th Qtr 2006</i>			
<b>Enterprise Data Warehouse (2003-2005)</b>	\$3.5M	\$2.6M		
<i>9 separate projects over 36+ mos. (R. Hinsley)</i>	<i>Execution Phase/2nd Qtr 2006</i>			
<b>Ercot.com Improvements (2004-2005)</b>	\$1.2M	\$768K		
<i>Rewrite of ERCOT web site (R Giuliani)</i>	<i>Execution Phase/4th Qtr 2005</i>			
<b>Enhancements to FasTrak Tools</b>	\$1.2M	\$207K		
<i>In Planning Phase (R Giuliani)</i>	<i>Planning Phase/1st Qtr 2006</i>			
<b>Market Oversight Monitoring System (2004-2005)</b>	\$950K	\$123K		
<i>3 separate projects over 12+ mos. (S. Jones)</i>	<i>Execution Phase/4th Qtr 2005</i>			
<b>Enhancements to SCR727 (2005-2006)</b>	\$1.9M	\$226K		
<i>Preliminary Planning over 12 mos. (R Giuliani)</i>	<i>Planning Phase/2nd Qtr 2006</i>			

- ❑ PR- 50078 ERCOT Network Replacement
  - Project Budget Proposed after Planning                      \$1.3 Million
  
- ❑ Project Approach
  - Project Proposed to save money and provide flexibility for network connectivity between ERCOT locations
  - Reviewing Current Contract, service cost approx \$677K / yr
  - Option for Renegotiated Contract, service cost approx \$499 / yr
  - Option to Construct Private Fiber Connection, extremely high cost
  - Option for New Service Proposal, project cost \$1.3M and service cost approx \$81K / yr
  
- ❑ Project Status for Information
  - Detail slides contained later in deck
  - Resolution for Board approval in executive session

- Projects Completed in October
  - PR-40093 RMR Automation
  - PR-50010 Lodestar Enhancements  
PRR420 Modified Competitive  
Solution for Settlements
  - PR-40075 Lodestar Enhancements  
PRR 488 and PRR 572 Weather  
Responsiveness Determination and  
Reporting
  - PR-50143 IPC Line Networking  
Upgrade

➤ **Scope of RMR Automation included :**

- Automation of the fuel index into ERCOT systems
- Automation of the RMR unit start-up price
- Only automated manual operations on settlements

➤ **Features and Deliverables:**

- The project objective is to automatically calculate the RMR fuel prices and the RMR startup prices, and then store these settlement determinants.
  - Project initially started in 2Q2004
  - Lengthy project delivery timeline due to change in scope and resource constraints
  - RMR automation significantly reduces the amount of time to calculate settlement charges for RMR units (beforehand, RMR was calculated completely through manual operations)
  - Staged automation to take advantage of future RMR redesign in EMMS

➤ **Current Activity**

- Lessons Learned
- Closing out project.



- **Scope of SIR Enhancement Project included :**
  - PRR420 – Automation Modified Competitive Solution (MCS) for increased settlement efficiency
- **Features and Deliverables:**
  - The objective of the project is to more efficiently settle the Modified Competitive Solution Method (MCSM) mitigation procedure by eliminating the manual workarounds, limitations, and improving the capability of Market Participants to shadow settle the charge type.
    - Project initiated due to Market driven PRR420 in 1Q2005
    - Lengthy Planning Phase (February to July) due to Resource Constraints.
    - 2 New Lodestar Charge types created
    - New bill determinants, calculations and methodology created to foster automation
    - Adjusted the Balancing Energy Rider
    - Significant reduction in manual operations once project went into production
- **Current Activity**
  - Lessons Learned
  - Closing out project.





- **Scope of PR-40075 Lodestar Enhancement SIRs Phase II :**
  - PRR488/572 - Weather Responsiveness Determination and Reporting
- **Features and Deliverables:**
  - PRR488/572 essentially changes the IDR ESI ID weather sensitivity analysis from an annual process with no on-going monitoring to a monthly process that includes monitoring activity.
    - Analysis performed monthly (Nov. through May)
    - ESI IDs that do not have 50% of data (June through Sept.) are re-tested the following month
    - ESI IDs that are currently active but were de-energized for less than 51% of the time during June through September are included in analysis
    - A monthly report is published which contains ESI IDs that require a weather sensitivity change including the status of the change (pending, overdue, complete)
    - Modifications to NOIE ESI IDs requiring a weather sensitivity change are automated
- **Current Activity**
  - Closing out project.



- **Scope of IPC Line Networking Project included:**
  - IPC installing and configuring line networking hardware to allow Operations phone line to ring simultaneously at Both Austin and Taylor SOC's.
- **Features and Deliverables:**
  - The objective of the project was to allow calls to be received and answered at either Taylor or Austin site
    - Upgrades to Line Networking Equipment at both Austin and Taylor locations
    - Install hardware to enable phones to ring at both Austin and Taylor
- **Current Activity**
  - Lessons Learned
  - Closing out project.

