

# Texas Regional Entity Report

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July 2007

# Control Performance Highlights

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- ERCOT's Control Performance Standard (NERC CPS1) score improved in June over May's score
  - The standard measures how well real power demand and supply in real-time are balanced in the ERCOT Interconnection
  
- Initial scores for June indicate 33 QSEs passed / 1 non-wind-only QSE failed the PRR 525 measure
  - To pass the PRR 525 measure, a QSE must minimize its Schedule Control Error (SCE) which is essentially the difference between the actual and expected (requested) Resource output of the QSE.

# Texas RE Compliance Summary

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- The Texas RE has registered 204 entities (+ ERCOT ISO) in the ERCOT Region that are responsible for compliance with NERC Reliability Standards
- 14 Compliance Audits are scheduled in 2007
- Statistical information related to NERC Standards violations are subject to NERC Electric Reliability Organization (ERO) confidentiality restrictions
- There have been 35 ERCOT Protocol violations identified Dec → June
- The Texas RE has reviewed 46 events reported in the ERCOT Region Dec → June

# August Board Meeting

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- Plan to request approval of Texas RE Standards Development Procedures needed to implement Texas RE Standards Development Process
  - Registered Ballot Body (RBB)
  - Reliability Standards Committee (RSC)
  - Standards Drafting Team (SDT)
- Stakeholder review process currently underway and comments being collected
- Draft [procedures](#) posted on Texas RE Web Page: Regional Reliability Standards Development → Planning and Procedures

# Texas Regional Entity

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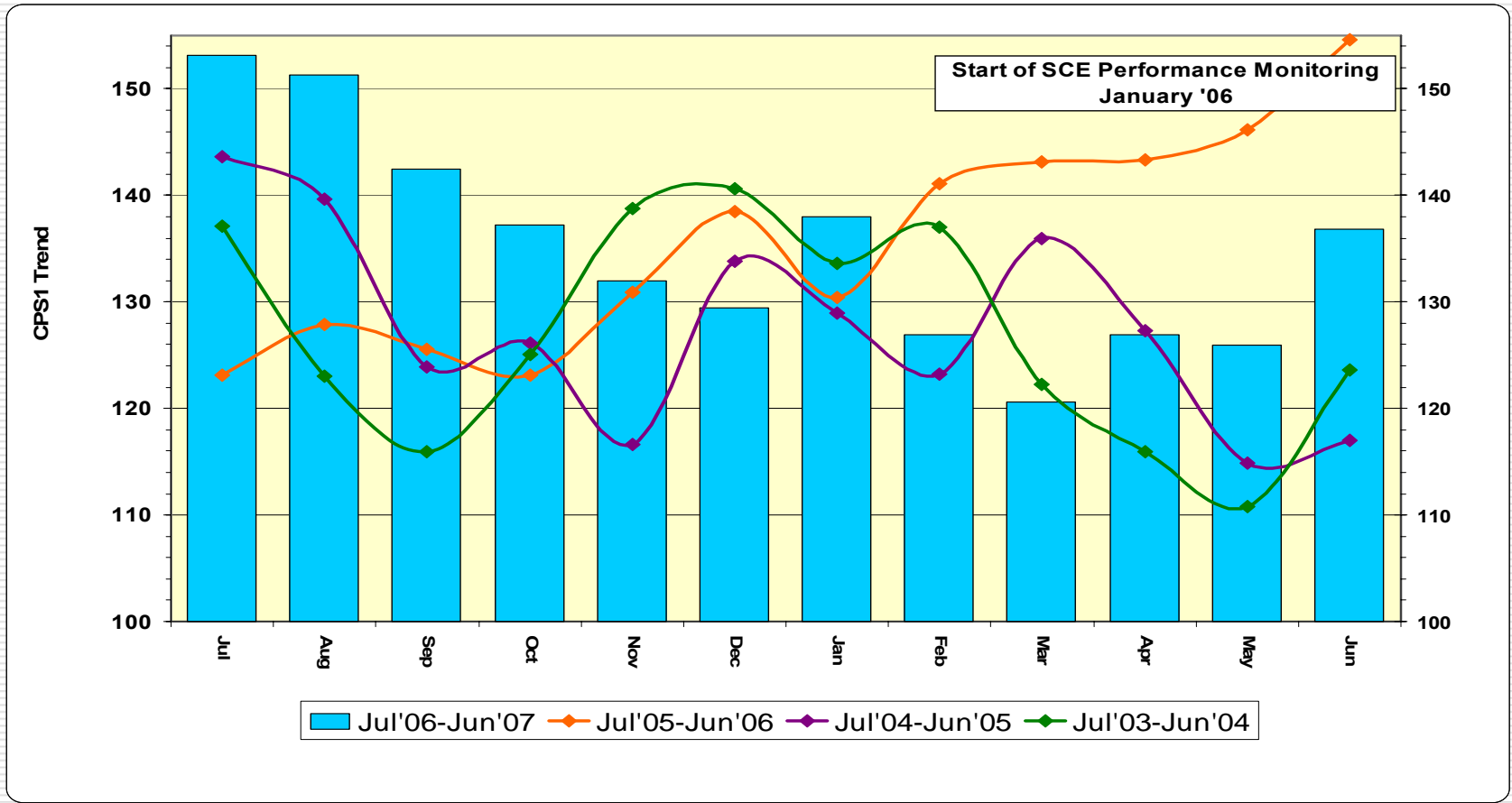
## Report Details

# NERC CPS1 Performance

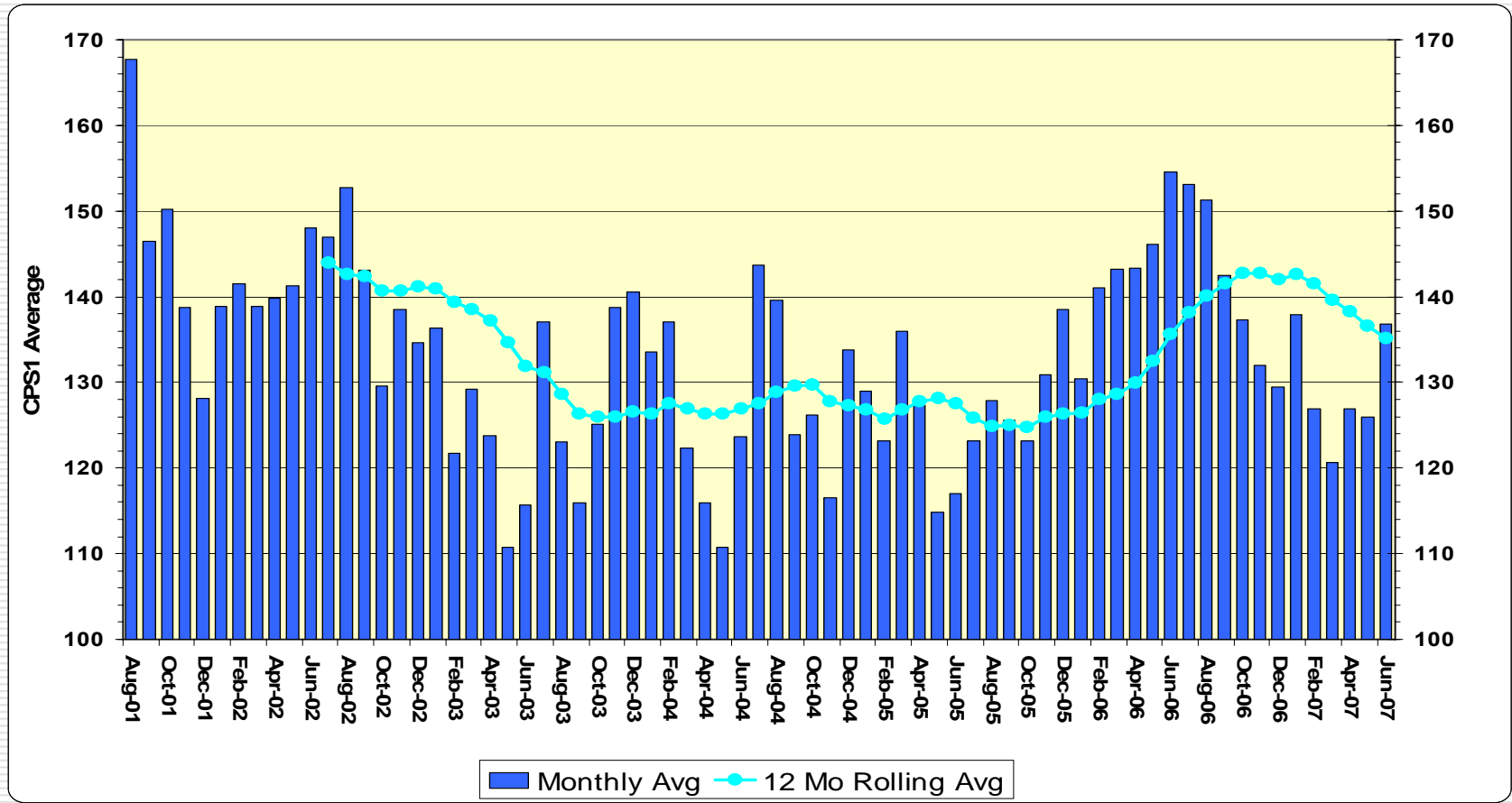
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- ERCOT's CPS1 Performance
  - June Performance
    - June performance comparison
      - June 2007: 136.84
      - June 2006: 154.59
    - 12 month rolling average comparison
      - July 2006 → June 2007: 135.07
      - July 2005 → June 2006: 135.64
  
- PRR 525 Performance
  - Initial scores for June indicate 33 QSEs passed / 1 non-wind-only QSE failed the measure
  - Scores posted on the ERCOT Compliance Website
    - [SCE Performance Scores](#)

# ERCOT CPS1 Performance Comparison

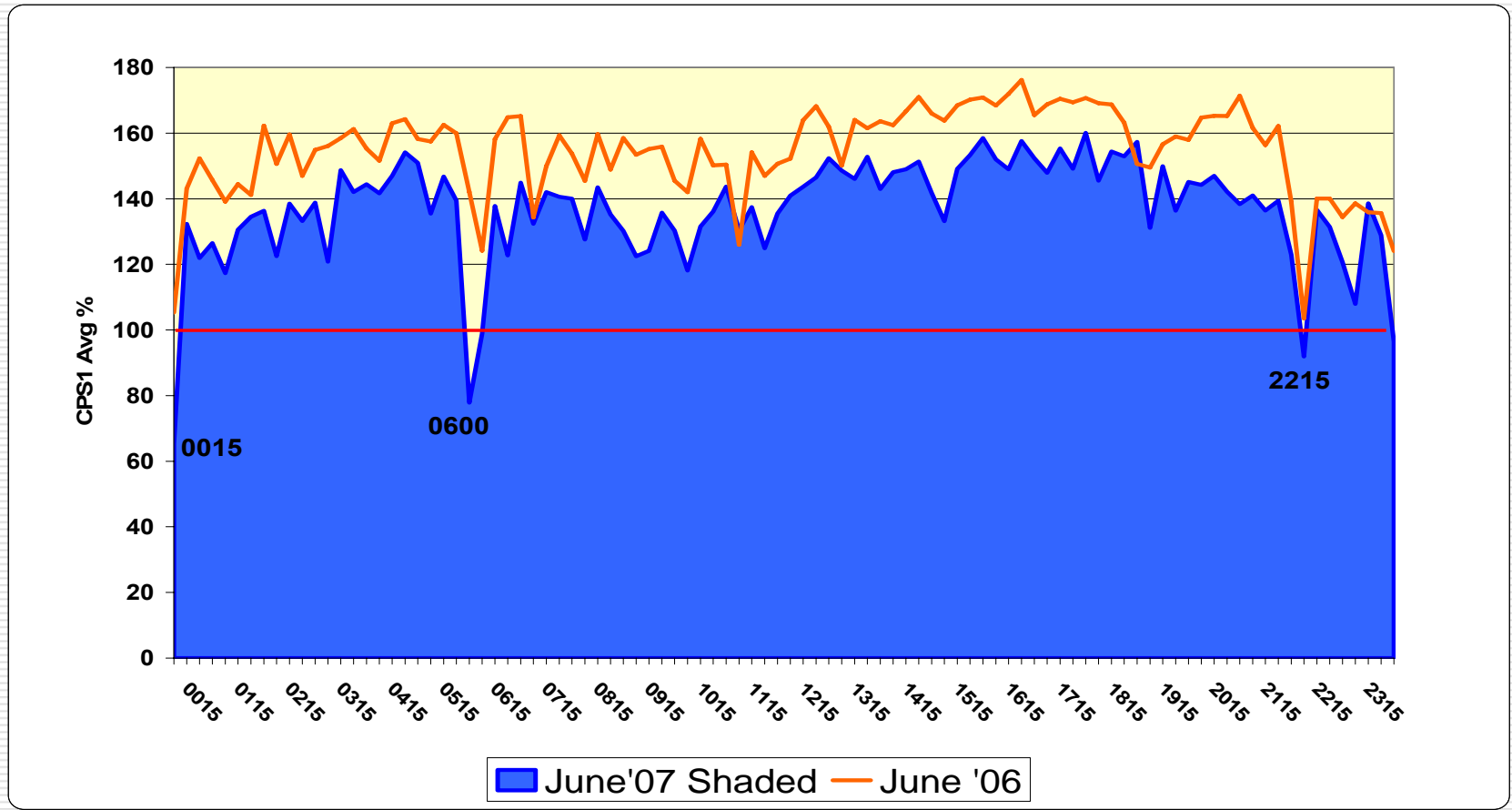


# ERCOT's CPS1 Monthly Performance

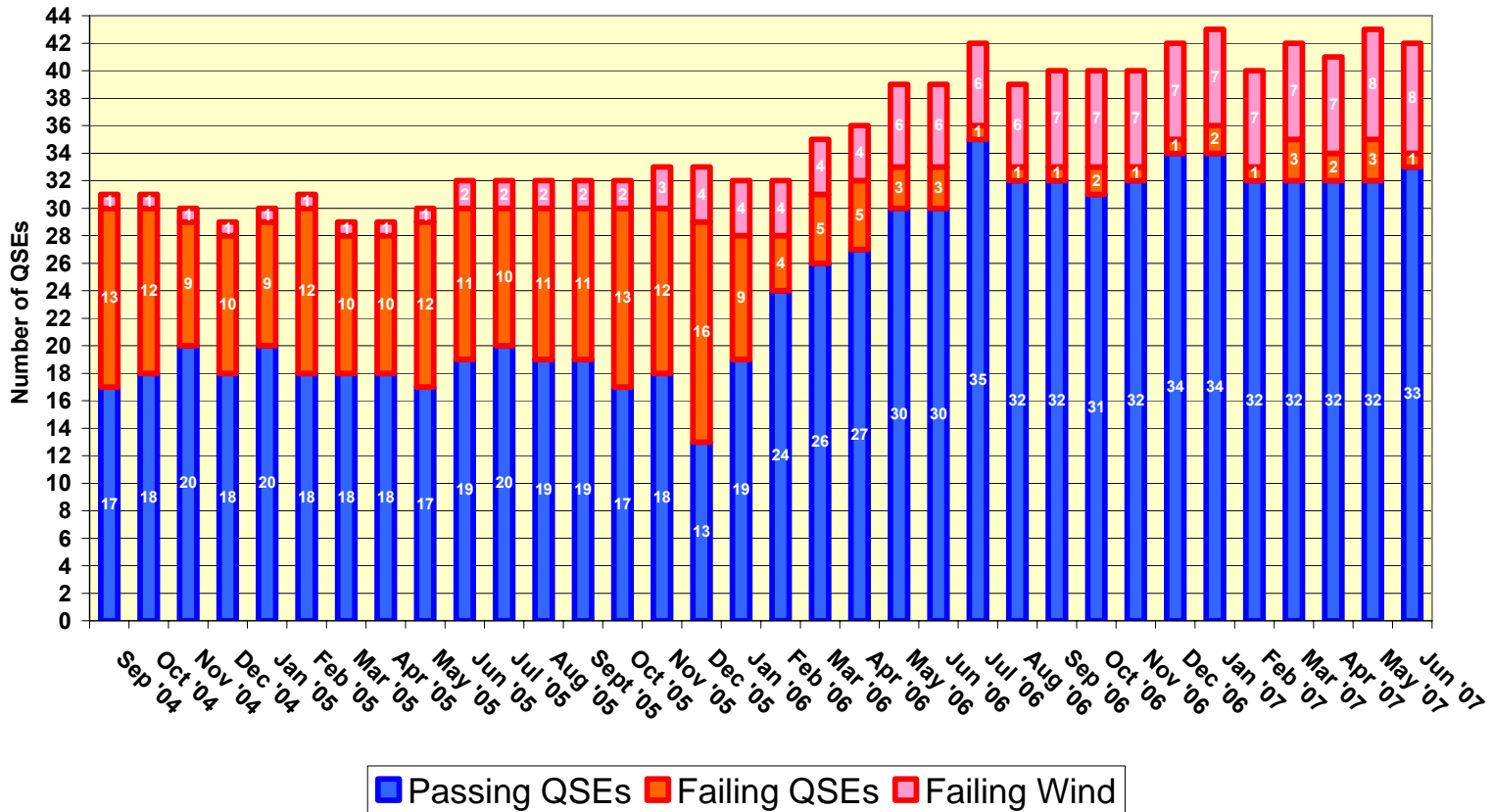




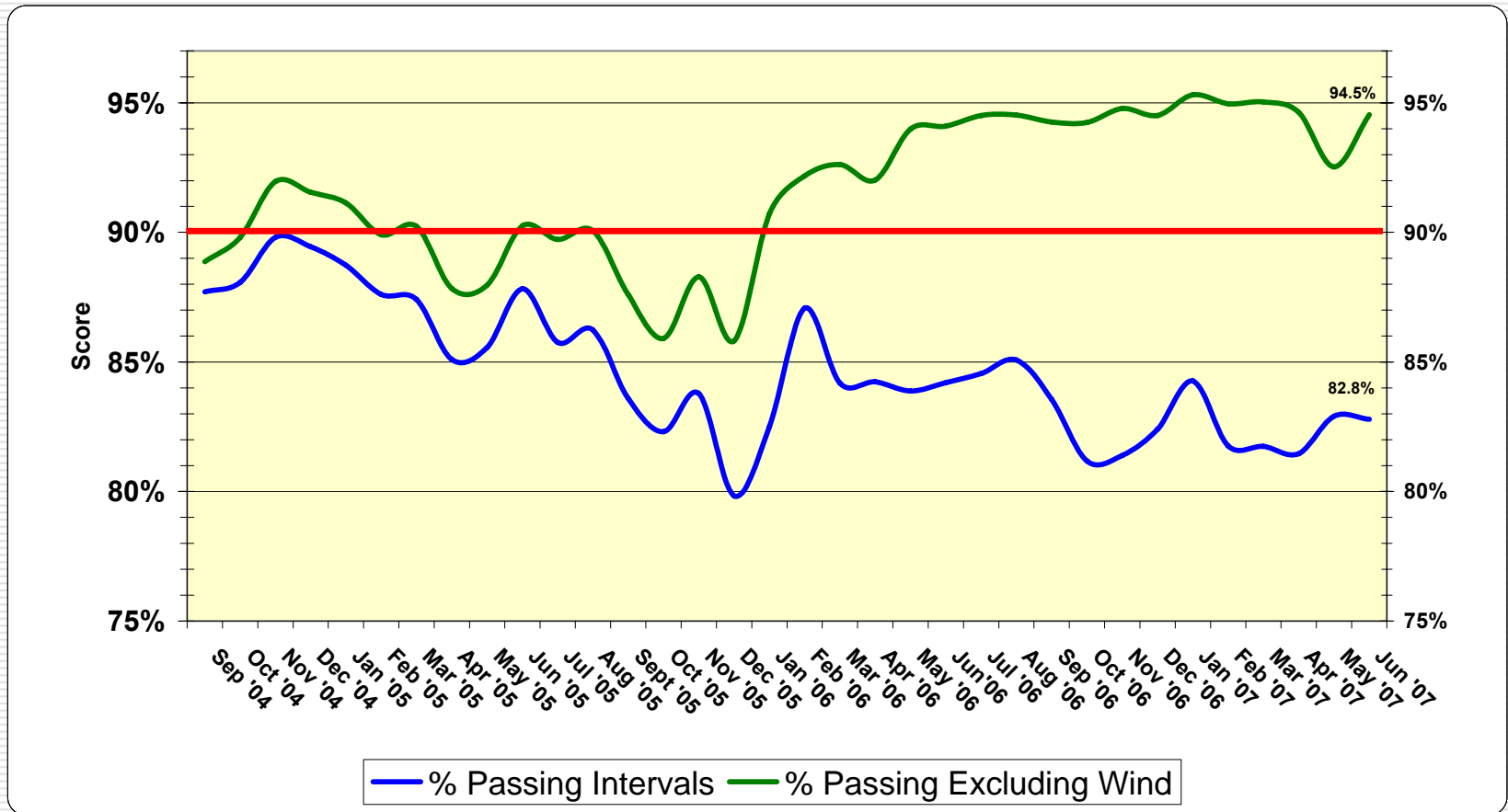
# ERCOT CPS1 by Interval



# QSE PRR 525 10-Minute Interval Scoring



# PRR 525 Passing 10-Min Interval Percentage Trends



# June 2007 Resource Plan Performance Metrics

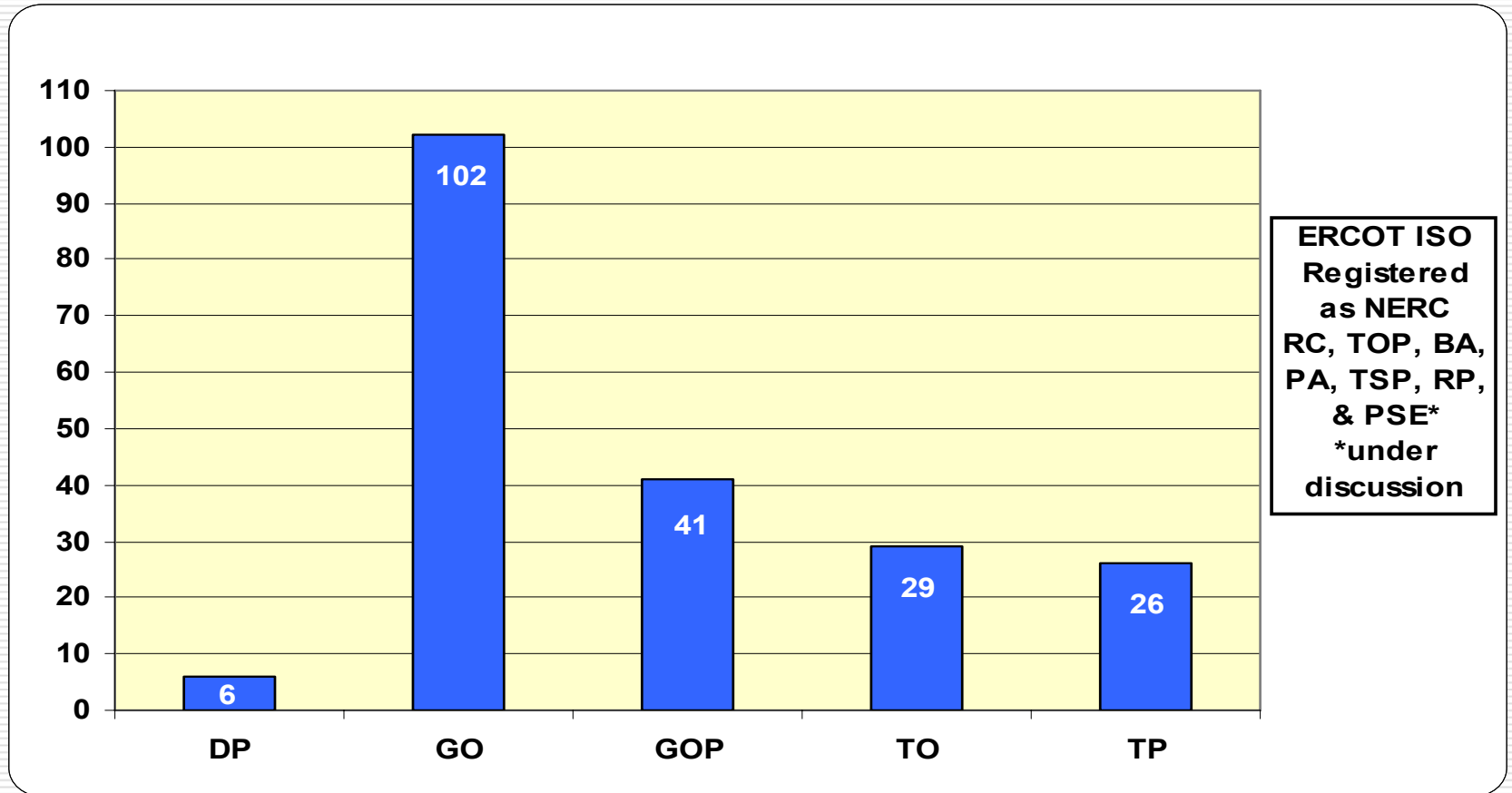
Resource Plan Performance Metric	ID																							
	DK	BT	DE	IP	AP	AO	HA	BY	BC	JA	AY	AM	AR	BR	HJ	DF	BP	CI	AD	BJ	BH	CJ	CF	HH
Resource Status	100	-	100	100	100	100	97	93	100	100	94	98	100	100	-	99	98	100	100	100	-	100	100	-
LSL HSL Percent	96	-	99	99	97	94	95	99	100	99	97	75	98	99	-	100	99	98	99	98	-	100	92	-
DA Zonal Schedule	99	92	100	100	100	100	100	99	100	100	80	99	100	100	98	100	100	99	100	100	100	98	97	0
AP Zonal Schedule	99	91	100	100	99	100	100	99	100	100	99	98	98	94	97	100	99	98	99	100	100	98	99	0
Down Bid & Obligation	94	91	81	100	91	95	97	98	99	98	98	91	97	13	95	85	95	97	99	92	98	98	97	-
Total Up AS	-	-	99	100	99	98	95	99	100	100	99	97	100	98	-	80	-	99	-	-	-	97	100	-

Resource Plan Performance Metric	ID																							
	ET	DA	GR	BF	BE	DP	EU	BG	CX	FK	HW	IN	IZ	JB	BX	CC	CD	FS	AC	CQ	IV	IO	FY	
Resource Status	95	100	-	-	-	100	100	95	98	98	99	100	100	-	100	100	99	100	100	99	-	100	-	
LSL HSL Percent	100	100	-	-	-	100	100	99	97	100	100	97	91	-	99	93	96	100	100	92	-	100	-	
DA Zonal Schedule	100	97	100	100	100	100	100	100	100	99	93	99	100	100	100	93	99	100	100	99	100	-	-	
AP Zonal Schedule	100	99	100	100	100	95	100	99	98	100	95	100	100	96	99	100	100	100	99	100	100	-	-	
Down Bid & Obligation	100	92	100	100	97	100	100	100	88	100	98	100	100	43	98	97	91	-	100	97	97	100	-	
Total Up AS	100	91	-	-	-	100	100	100	99	100	59	76	100	-	100	100	98	-	-	100	-	-	100	

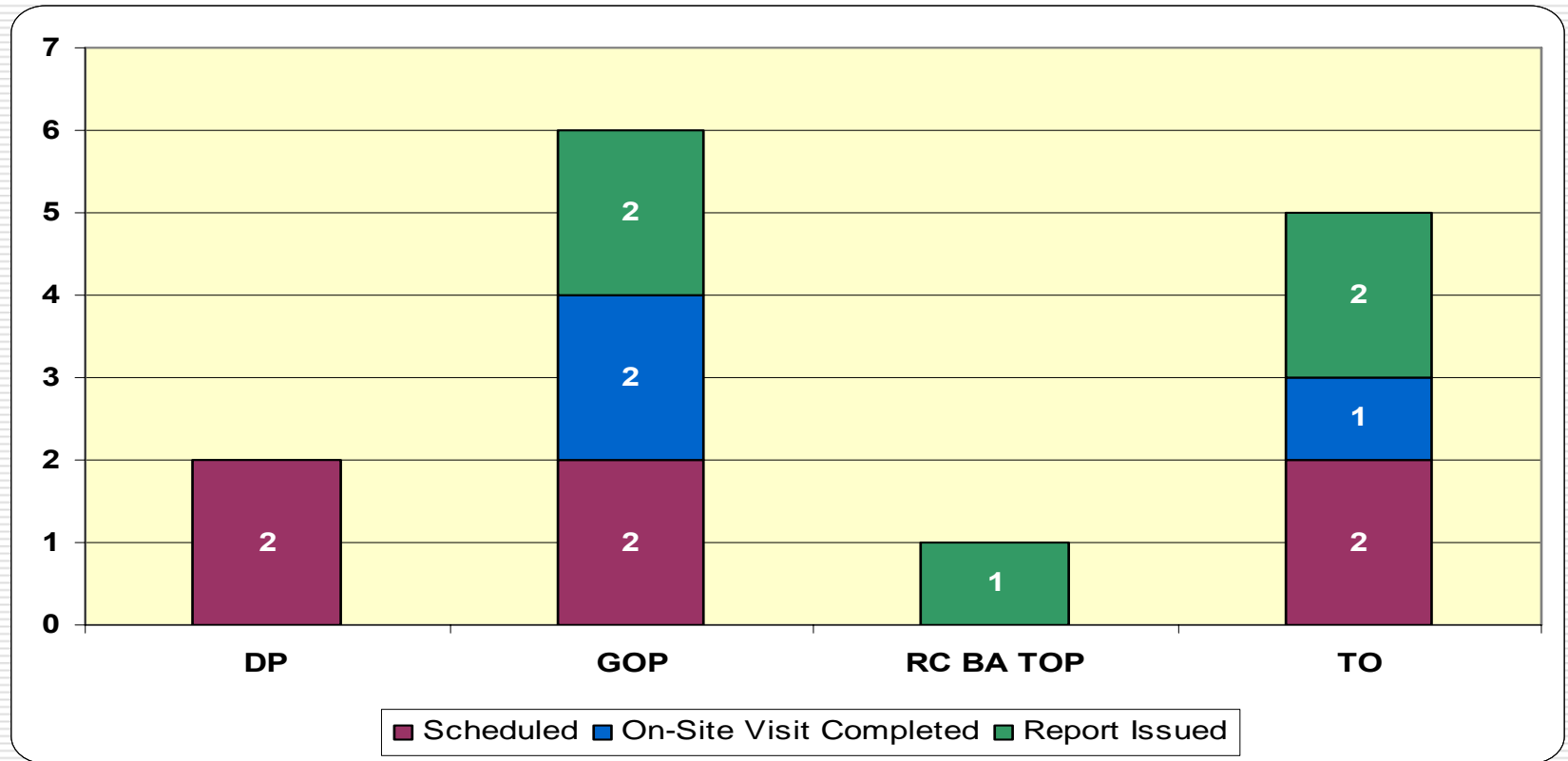
■ 4 Consecutive Failing Scores      ■ 3 Consecutive Failing Scores

■ 2 Consecutive Failing Scores      ■ 1 Failing Score

# NERC Registered Entities in ERCOT Region



# 2007 Compliance Audits

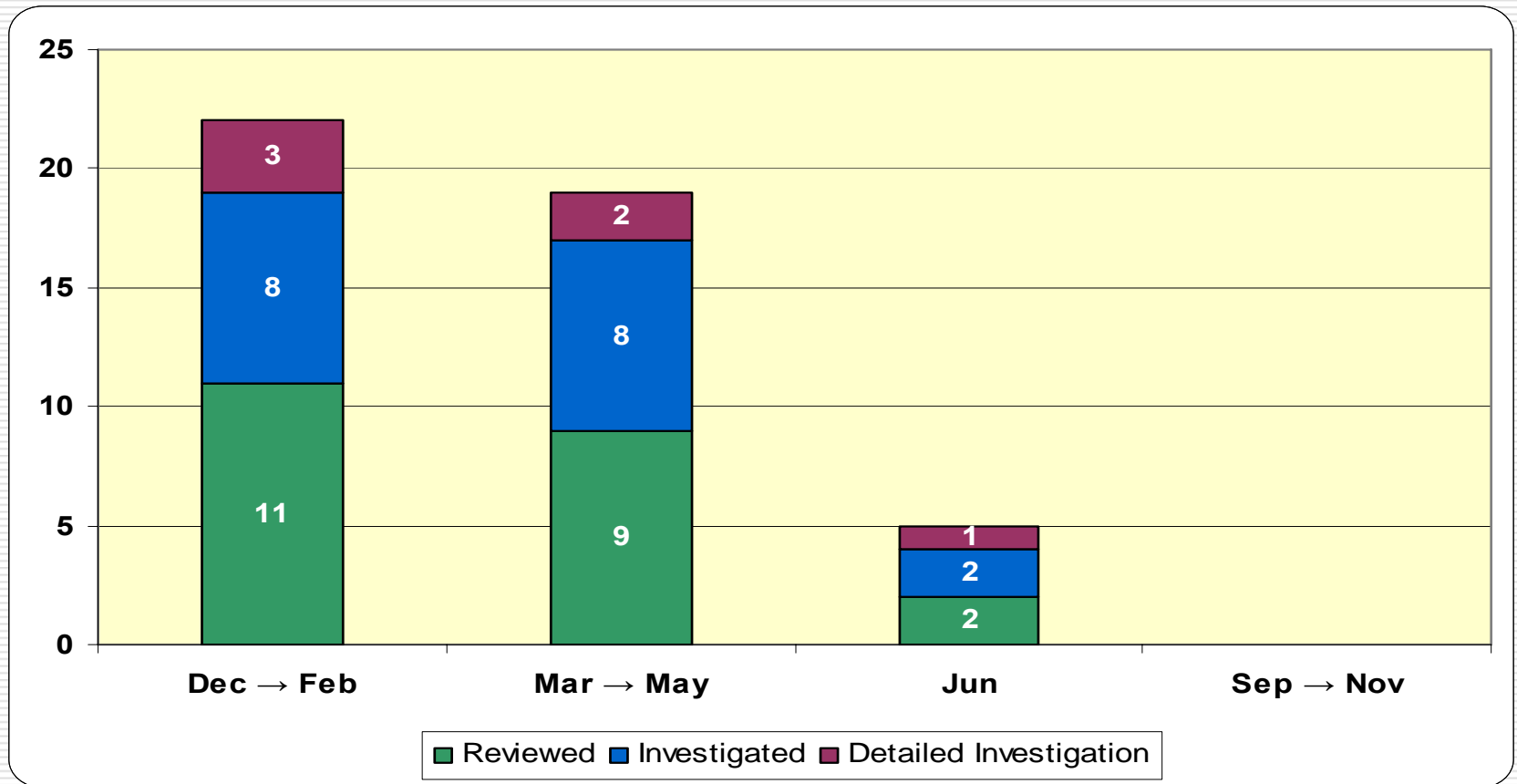


# NERC Functional Entity Types

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- DP – Distribution Provider
- GO – Generator Owner
- GOP – Generator Operator
- TO – Transmission Owner
- TP – Transmission Planner
- RC – Reliability Coordinator
- BA – Balancing Authority
- TOP – Transmission Operator
- PA – Planning Authority
- TSP – Transmission Service Provider
- RP – Resource Planner
- PSE – Purchasing-Selling Entity

# Compliance Reviews: Events by Season





# Violations of ERCOT Protocols Reported by Season

