



# **History and Introduction to Texas RE**

**Paul Curtis  
Deputy General Counsel**

# Antitrust Admonition

**Texas Reliability Entity, Inc. (Texas RE) strictly prohibits persons participating in Texas RE activities from using their participation as a forum for engaging in practices or communications that violate antitrust laws. Texas RE has approved antitrust guidelines available on its website. If you believe that antitrust laws have been violated at a Texas RE meeting, or if you have any questions about the antitrust guidelines, please contact the Texas RE General Counsel.**

**Notice of this meeting was posted on the Texas RE website and this meeting is being held in public. Participants should keep in mind that the listening audience may include members of the press, representatives from various governmental authorities, and industry stakeholders.**



# History of Reliability Issues

1965 – Blackout affected 30 million people in Northeast U.S. and Canada



1968 – Nine regional organizations joined together to form the National Electric Reliability Council



1977 – Blackout in New York City



1996 – Two blackouts in Western United States



## 2003 – Largest Blackout in North American History



# 2003 Northeast Blackout

9,300 Square Miles Impacted

50 Million People Affected

11 Deaths

\$6 Billion in Losses

Causes:

- Vegetation Overgrowth
- Alarm System Failure
- Human Errors



# Major Events Since 2010

## 2011 Winter Storm

- Extreme cold weather and natural gas shortages caused widespread generation loss, heightening awareness of cold weather in Texas

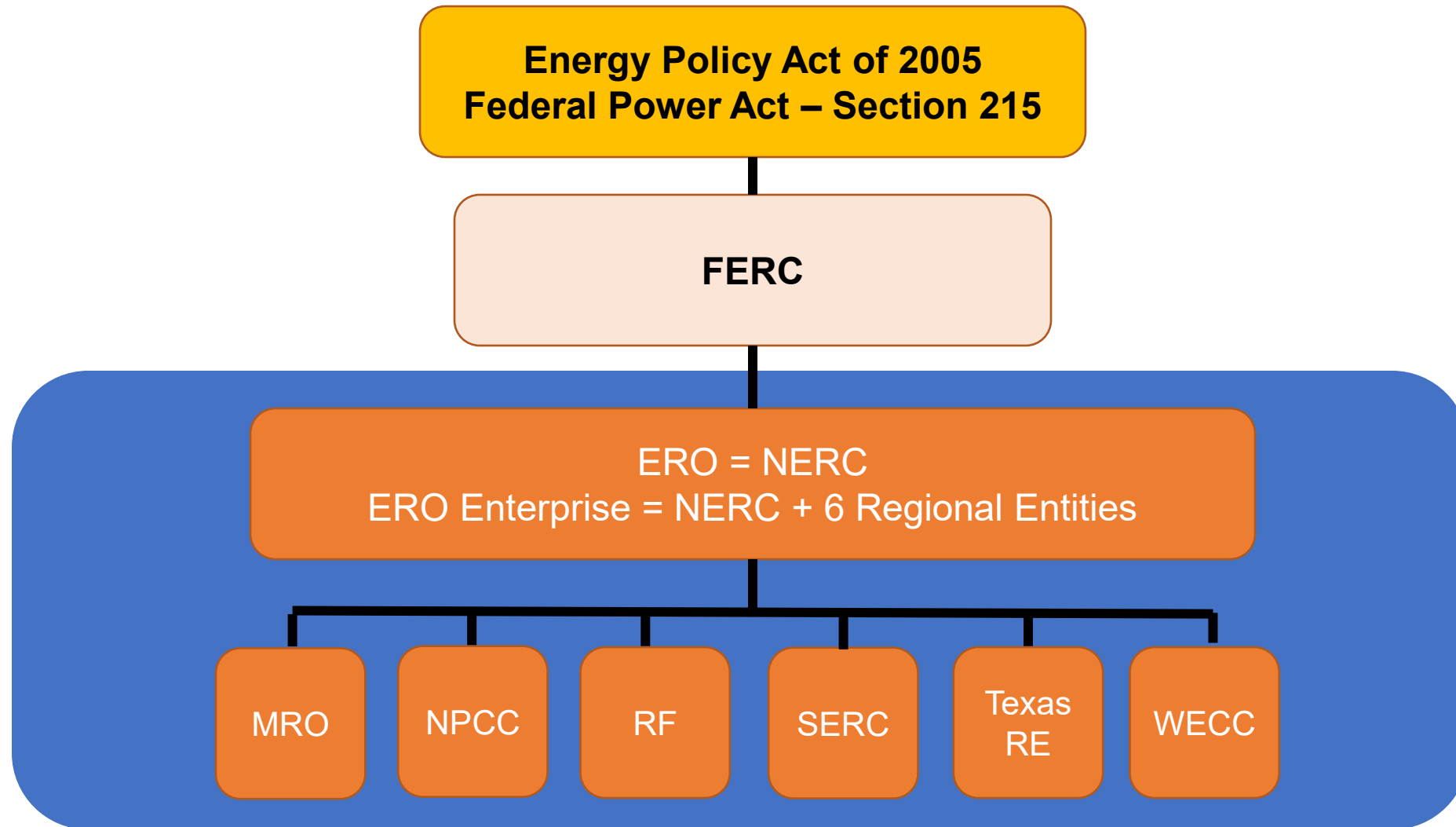
## San Diego Blackout

- In September 2011, a blackout in San Diego led to ERO-wide review of operational practices

## 2021 Winter Storm Uri



# Federal Power Act Section 215



# Electric Reliability Organization (ERO)

## Energy Policy Act of 2005 Established ERO

- Develop and enforce reliability standards for the Bulk Power System (BPS)
- Independent of all users, owners, and operators of the BPS
- Stakeholder representation
- Equitable allocation of fees to end users
- Fair and impartial enforcement process
- Open process to develop standards

## FERC Certifies the North American Electric Reliability Corporation (NERC) as ERO - July 20, 2006





# Interconnections/Regional Entity Locations



Western  
Interconnection

WECC

Eastern  
Interconnection

MRO  
NPCC  
RF  
SERC

Texas  
Interconnection

Texas RE

# What Does Texas RE Do?

**Develop, monitor, assess,  
and enforce compliance with  
NERC Reliability Standards**

**Assess and report on the  
reliability and adequacy of  
the BPS**



# Texas RE Departments

**Registration**

**Certification**

**Standards**

**Risk Assessment**

**Compliance  
Assessments**

**Enforcement**

**Reliability  
Services  
(RAPA)**

**Enterprise Risk  
Management &  
Internal Oversight**

**Communications  
and Training**



# Registration & Certification

**Ensure all applicable users, owners and operators of the Bulk Electric System within the Texas Interconnection are:**

- Properly registered for their functions
- Certified that they are able to carry out their functions
- Mapped for compliance with NERC Reliability Standards



# Standards

Facilitates NERC Standards  
Review Forum (NSRF) Meetings

Comments and Votes on NERC  
Reliability Standards

Facilitates Regional Reliability  
Standards Projects



# Compliance Monitoring and Enforcement Program (CMEP)

## Risk Assessment

- Performs Inherent Risk Assessments (IRAs) and develops Compliance Oversight Plans (COPs)

## Compliance Assessments

- Monitor
- Assess
- Investigate
- Evaluate
- Audit

## Enforcement

- Ensures mitigation of violations
- Issues sanctions/penalties



# Reliability Assessment and Performance Analysis (RAPA)

Monitors the Grid

Provides Input to Reliability Assessments

Reviews System Events

Reviews Disturbances in the Texas Interconnection



# Communications and Training



**Announcements**



**Texas REview**



**Talks with  
Texas RE**



**Workshops**





# Membership

**Texas RE is a member-based organization and welcomes new members**

**Members vote to approve Texas RE Bylaws changes and the Board's Independent Directors**

**Members elect sector representatives to the Member Representatives Committee (MRC)**

**There is no charge for membership**



# Member Representatives Committee (MRC)

## Provides Advice to the Board Regarding:

- Annual budgets, business plans, and funding mechanisms of Texas RE
- Development of Regional Reliability Standards and Regional Variances
- Matters relevant to the reliability of the BPS, and any other matters pertinent to the purpose and operations of Texas RE

## Also oversees the NERC Standards Review Forum (NSRF)



# Board of Directors

**The Board selects Texas RE's CEO, sets overall goals and policy direction, and approves the Texas RE budget and operations**

- Four Independent Directors
- Two Affiliated Directors (MRC Chair and Vice Chair)
- CEO
- PUCT Chairman (or Designee), Non-Voting Ex-Officio
- OPUC Public Counsel, Non-Voting Ex-Officio



## NERC Committees

### Reliability and Security Technical Committee (RSTC)

- Leverages industry experts to study, mitigate, and/or eliminate emerging risks to the BPS

### Compliance and Certification Committee (CCC)

- Monitors NERC's compliance with Rules of Procedure (RoP)



# Texas RE Training Page

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## Training



Texas RE offers training on a variety of compliance- and standards-related topics. Workshops and seminars are announced to subscribers of the Texas RE Information mailing list. To subscribe to our mailing list please visit [Texas RE Mailing Lists](#).

For questions about training, please contact [Texas RE Information](#).

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### Archived Presentations ▾

All of Texas RE's outreach activities are free and open to the public. Past presentations delivered by Texas RE staff are available here. Please be aware that presentations will not be available indefinitely, and may be removed to comply with Texas RE's document retention policy.

## ALIGN

[Align Release 1 Training](#) | [Recording](#)[Align Release 2 Periodic Data Submittal Training](#) | [Recording](#)[Align Release 2 TFE and Self-Certification Training](#) | [Recording](#)[Align Release 3 Training](#) | [Recording](#)[Align Release 4 & 4.5 Training](#) | [Recording](#)

### Workshops

[2021 GO/GOP Outreach](#) | [Recording](#)[2021 CIP Workshop](#) | [Recording](#) | [CIP Workshop Q&A](#)[2022 Extreme Events Resiliency Workshop - Day 1 Materials](#) | [Recordings](#)[2022 Extreme Events Resiliency Workshop - Day 2 Materials](#) | [Recordings](#)[2022 Energy Industry Vendor Summit](#) | [Recording](#)[Women's Leadership in Grid Reliability and Security Conference](#) | [Recording](#)

### Fall Standards, Security, and Reliability Workshop

[2023 Fall Standards, Security, and Reliability Workshop](#) | [Recording](#)

### Spring Standards, Security, and Reliability Workshop

[2024 Spring Standards, Security, and Reliability Workshop](#)

### Grid Transformation Workshop

[Grid Transformation Workshop Recordings](#) [Morning](#) | [Afternoon](#)

# Additional Outreach

## Texas RE-Specific

- Texas REview [Newsletter](#)
- [Announcements](#)
- [Annual Report](#)

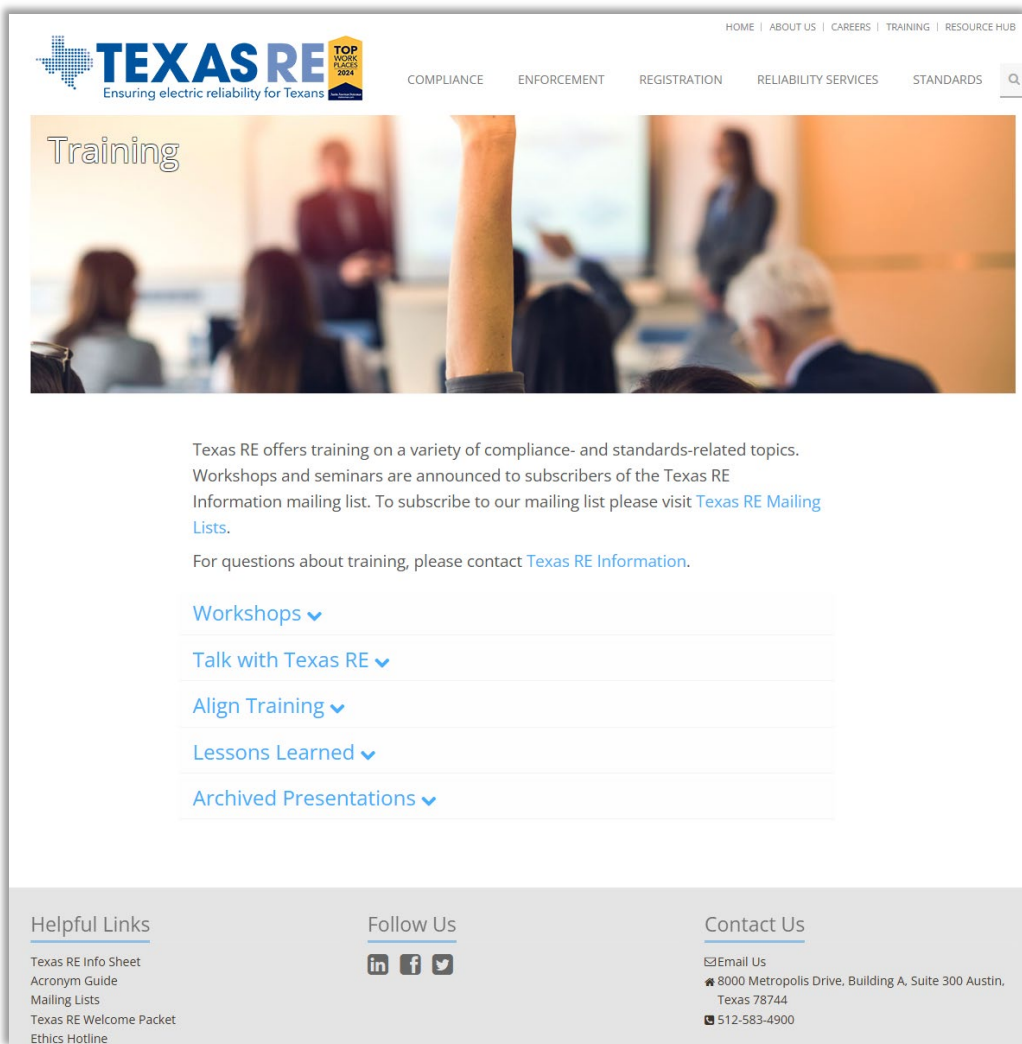
## NERC-Specific

- [NERC Newsletter](#)
- [NERC Weekly Standards and Compliance Newsletter](#)
- NERC Alerts: [nerc.alert@nerc.net](mailto:nerc.alert@nerc.net)
- [E-ISAC](#) - Electricity Information Sharing and Analysis Center





# Texas RE Resource Hub



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**TEXAS RE** Ensuring electric reliability for Texans **TOP WORK PLACES 2024**

COMPLIANCE ENFORCEMENT REGISTRATION RELIABILITY SERVICES STANDARDS

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- [Texas RE Info Sheet](#)
- [Acronym Guide](#)
- [Mailing Lists](#)
- [Texas RE Welcome Packet](#)
- [Ethics Hotline](#)

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- Email Us
- 8000 Metropolis Drive, Building A, Suite 300 Austin, Texas 78744
- 512-583-4900

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**TEXAS RE** Ensuring electric reliability for Texans **TOP WORK PLACES 2024**

COMPLIANCE ENFORCEMENT REGISTRATION RELIABILITY SERVICES STANDARDS

## Resource Hub

Information sharing is a critical part of ensuring electric reliability. As we work with registered entities, certain trends and concerns become apparent that require key information to be easily accessible for our stakeholders. Texas RE's Resource Hub compiles materials on pertinent topics related to grid reliability, security, and resiliency.

- [Extreme Weather](#) ▾
- [Facility Ratings](#) ▾
- [Inverter-Based Resources](#) ▾
- [Cybersecurity](#) ▾
- [Electric and Natural Gas Industries Coordination](#) ▾
- [Other Major Reports](#) ▾

**Helpful Links**

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- [Texas RE Extranet Instructions](#)
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- Email Us
- 8000 Metropolis Drive, Building A, Suite 300 Austin, Texas 78744
- 512-583-4900



# Texas RE Welcome Packet

06/19/2024 Texas RE Office Closed - Juneteenth

06/24/2024 Reliability 201: CMEP Feedback Loop

06/25/2024 Reliability Reliability Services 201

[Align Page](#)

[Workshops](#)

## Helpful Links

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Ethics Hotline  
Texas RE Extranet Instructions  
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News

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## Welcome Packet

Welcome to the Texas RE Region. We look forward to working with you to maintain the reliability of the bulk power system (BPS) in our interconnection.

Ensuring electric reliability is no small task. To help you get started, we've created a short checklist of action items that will help you get involved and keep you up-to-date on reliability matters!

### Recommended Action Items for Registered Entities

- ☐ Review the [Texas RE](#) and [NERC](#) websites.
- ☐ Join the [Texas RE listservs](#) to get Texas RE news in your inbox!
- ☐ Become a Texas RE Member if your company is not already. [Learn more here!](#)
- ☐ Review past announcements and newsletters on the [News](#) page. Attend our next free training event. Check the [Texas RE calendar](#) to see what's coming up.
- ☐ Attend Board and MRC meetings. See our schedule of [upcoming meetings](#).
- ☐ Participate in a Regional working group. The NERC Standards Review Forum ([NSRF](#)) is a forum for collaboration and discussion on standards development projects. The ERCOT Critical Infrastructure Protection Working Group ([CIPWVG](#)) is a forum for discussing CIP standards.
- ☐ Get a [webCDMS](#) account. webCDMS is the compliance portal through which you will complete compliance and enforcement activities. Contact [support@oati.net](mailto:support@oati.net) to get your webCDMS Digital Certificates. Two certificates are provided at no cost to each registered entity.
- ☐ Email [nerc.alert@nerc.net](mailto:nerc.alert@nerc.net) to sign up for NERC Alerts.

[www.texasre.org](http://www.texasre.org)

## Quick Reference Guide for Registered Entities in the Texas RE Region

### Getting Involved

[ERCOT Committees and Groups](#)  
[NERC Standards Review Forum \(NSRF\)](#)  
[NERC Committees](#)

### Education & Training

[Texas RE Training Opportunities](#)  
[NERC Resource Center](#)  
[Texas RE Extranet Instructions](#)  
[CORES Video Library](#)

### Staying Informed

[NERC News](#)  
[Texas RE Newsletters](#)  
[NERC Standards & Compliance Bulletin](#)  
[NERC Alerts](#)  
[Electricity Information Sharing and Analysis Center \(E-ISAC\)](#)

### Standards

[NERC One-Stop-Shop](#)  
[Standards Development Projects](#)  
[NERC Rules of Procedure](#)

### Mandatory Data Submittal

[OATI webPortal](#) (GADS, TADS, & DADS reporting)  
[MIDAS](#)  
[Data Submission Schedule](#)

### Doing the Work

[Texas RE Extranet](#)  
[webCDMS](#)  
[Annual Audit Plan](#)  
[CMEP Implementation Plan](#)  
[General Information Briefing](#)  
[General Engagement Plan Briefing](#)  
[CIP Transition](#)

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# Key Takeaways

**FERC has jurisdiction  
over the ERCOT region  
for reliability of the  
BPS**

**Texas RE  
monitors compliance  
only for NERC  
Reliability Standards**

**Texas RE is the only  
Regional Entity that  
serves both a single  
state and a single  
interconnection**

**Stakeholder  
participation is  
essential!**



# Contact Us



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