



History and Introduction to Texas RE

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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.



Slido Question #1

What is the highest temperature ever recorded in Texas?

#TXRE

Joining as a participant?

Enter event code

Join an existing event



History

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 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 caused widespread generation loss, heightening awareness of cold weather in Texas

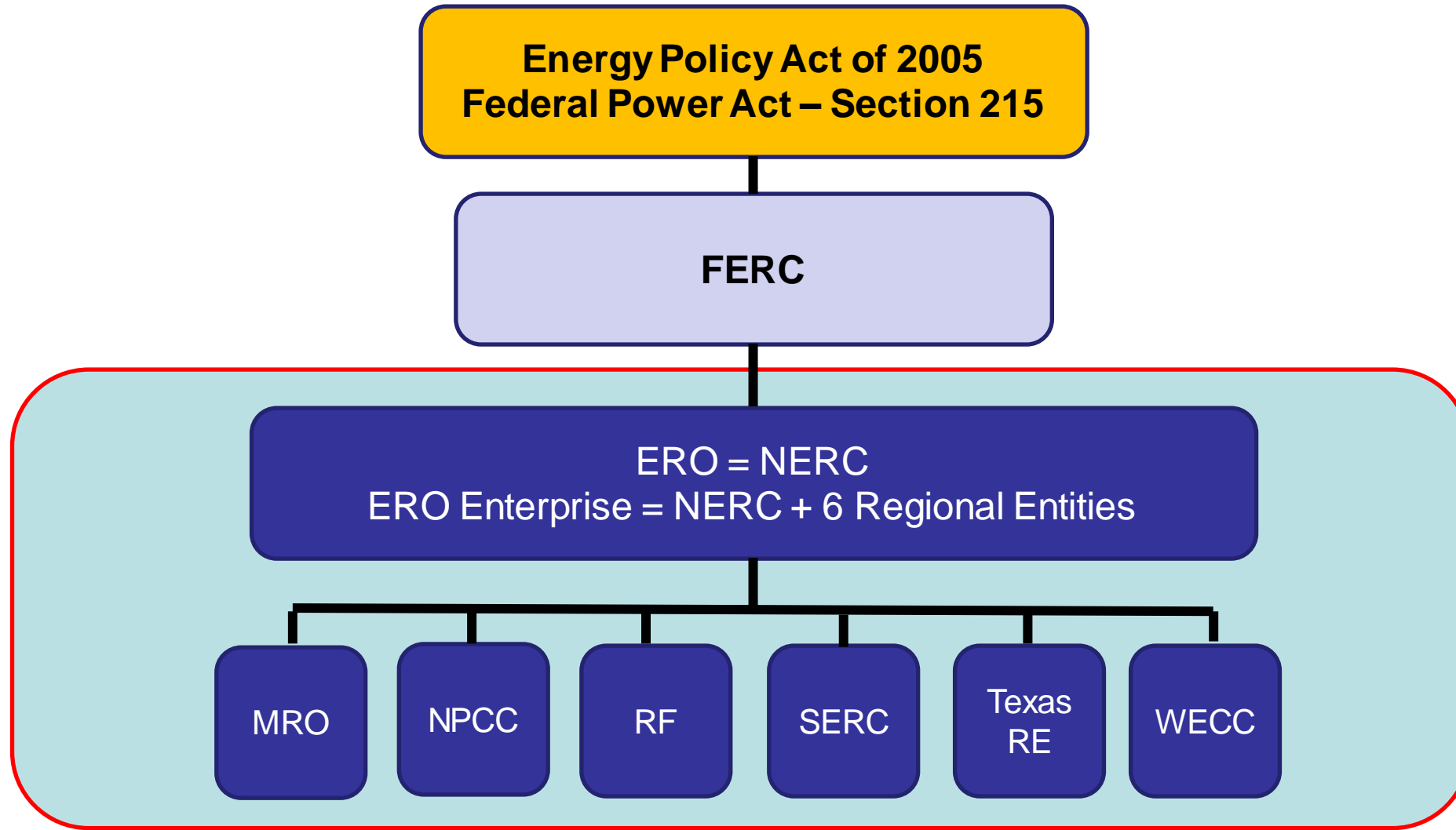
San Diego Blackout

- 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



Slido Question

In 2006 when FERC certified NERC as the ERO, how many Regional Entities entered into delegation agreements?

A. 4

B. 6

C. 8

D. 10



Electric Reliability Organization (ERO)

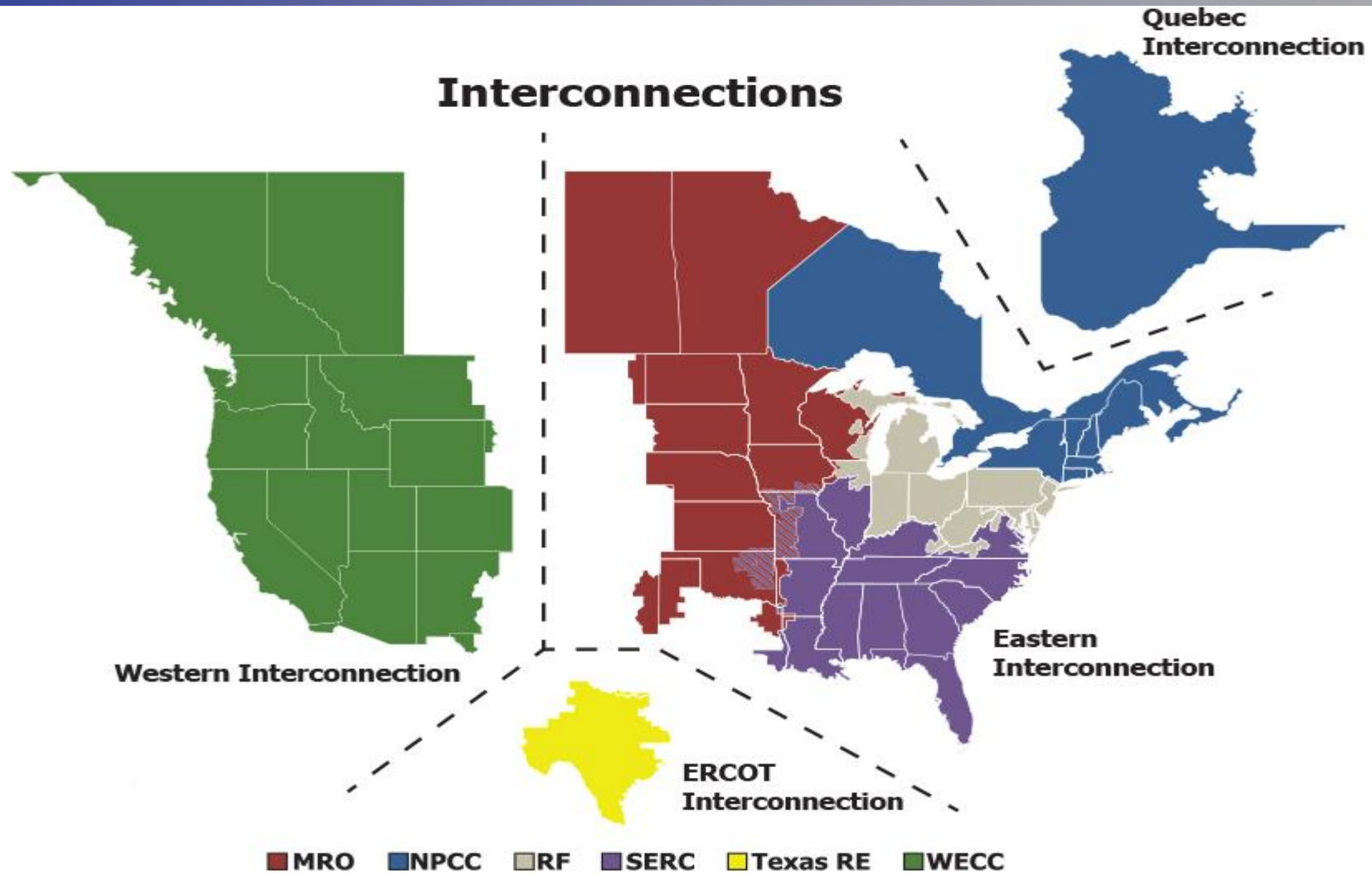
Energy Policy Act of 2005 Established ERO

- Develop and enforce reliability standards for the bulk power system
- 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



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**



Slido Question

Which of the following is NOT a department at Texas RE?

- A. Reliability Services
- B. Enforcement
- C. Dispatch ←
- D. O&P Compliance Monitoring



Texas RE Departments



Ensure all applicable users, owners and operators of the Bulk Electric System within the ERCOT 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

Votes and Comments 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 Monitoring

- Assess
- Investigate
- Evaluate
- Audit



O&P Compliance

CIP Compliance



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 ERCOT Interconnection



Announcements

Texas REview

Talk with Texas RE

Workshops



Slido Question

How much does Texas RE Membership cost annually?

- A. No Charge
- B. \$100 per year
- C. \$250 per year
- D. \$500 per year



Membership

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

Members vote to approve Texas RE Bylaws 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)



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



Upcoming Board and MRC Meeting Dates

2022

- August 24, 2022
- December 14, 2022

Meetings are held virtually until further notice.



Reliability and Security Technical Committee (RSTC)

Compliance and Certification Committee (CCC)

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



Texas RE Training Opportunities

Workshops

- **Extreme Events Resiliency Workshop**
[Day 1](#) | [Day 2](#)
- [Fall Standards, Security, and Reliability Workshop](#)

Webinars

- [Reliability 101 Series](#)
- [Talk with Texas RE](#)

Texas RE Training Page

- [Archived Presentations](#)
- [Resource Hub](#)



Texas RE Resource Hub

HOME | ABOUT US | CAREERS | TRAINING | RESOURCE HUB

COMPLIANCE ENFORCEMENT REGISTRATION RELIABILITY SERVICES STANDARDS

Reliability 101 Webinar Series

June 2-30, 2022

RELIABILITY 101 WORKSHOP

Upcoming Events

Date	Title
05/16/2022	Align Release 3 Hands-On Training
05/18/2022	Member Representatives Committee Meeting
05/18/2022	Audit, Governance, & Finance Committee Meeting
05/18/2022	Board of Directors Meeting
05/19/2022	NSRF Meeting
05/19/2022	Talk with Texas RE: Battery Storage in the Texas Interconnection
05/20/2022	SAR-012 Standard Drafting Team Meeting
05/31/2022	Talk with Texas RE: Summer Outlook
06/02/2022	Reliability 101: History & Introduction to Texas RE
06/07/2022	Reliability 101: Registration and Certification
06/09/2022	Reliability 101: Standards Development
06/14/2022	Reliability 101: Intro to Align
06/16/2022	Reliability 101: Compliance Monitoring
06/21/2022	Reliability 101: Foundations of Critical Infrastructure Protection
06/22/2022	Reliability 101: Foundations of Operations and Planning Programs

Calendar

News

Align Page

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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

Helpful Links

- Texas RE Info Sheet
- Acronym Guide
- Mailing List
- Texas RE Welcome Packet
- Ethics Hotline
- Texas RE Extranet Instructions
- WebCDMS
- News

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Contact Us

Email Us
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 512-583-4900
 Texas RE Contacts



Additional Outreach

Texas RE-Specific


- Texas RE *view* [Newsletter](#)
- [Announcements](#)
- [2021 Annual Report](#)
- [Texas RE ListServ](#)
- [Assessment of Reliability Performance](#)

NERC-Specific

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



Texas RE Welcome Packet



TEXAS RE
Ensuring electric reliability for Texans

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 ([CIPVWG](#)) 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 to get your webCDMS Digital Certificates. Two certificates are provided at no cost to each registered entity.
- Email nerc.alert@nerc.net to sign up for NERC Alerts.

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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06/14/2022 [Reliability 101: Intro to Align](#)

06/16/2022 [Reliability 101: Compliance Monitoring](#)

06/21/2022 [Reliability 101: Foundations of Critical Infrastructure Protection](#)

06/22/2022 [Reliability 101: Foundations of Operations and Planning Programs](#)

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Helpful Links

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- [Ethics Hotline](#)
- [Texas RE Extranet Instructions](#)
- [WebCDMS](#)
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Key Takeaways

Yes, FERC has jurisdiction over the ERCOT region for reliability of the BPS!!

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

Texas RE only monitors NERC Reliability Standards.



Key Takeaways, con't

Stakeholder Participation is Essential!

Texas RE Offers FREE Training!

Texas RE Membership is FREE!



Slido Question

What is the appropriate shorthand for Texas Reliability Entity, Inc.?

- A. T-Rel
- B. Texas RE
- C. TRE
- D. TXRE



The background of the slide features a blurred Texas state flag on the left and a target with several darts on the right. The darts are all clustered in the center of the target, suggesting a focus on a specific point.

Questions?



TEXAS RE

Ensuring electric reliability for Texans