

PUCT Perspective:

- Monitor compliance with the reliability-related provisions of the Public Utility Regulatory Act, ERCOT Protocols, and ERCOT Operating Guides
- Conduct audits and investigations, and document noncompliance
- Investigate and report on reliability-related events in the ERCOT Interconnection
- Support PUCT enforcement activities, including penalty assessment

ERCOT Protocols and Operating Guides – Texas-specific reliability rules:

- Registration of all Market Participants
- Transmission Planning
- Interconnection of Generation Resources
- Outage Coordination
- Ancillary Services
- Day-Ahead and Real-Time Operations
- Energy Emergency Alerts
- Black Start Planning and Procedures
- Training, including simulations and drills



Who We Are

Texas RE provides a robust program to oversee and ensure reliability in the ERCOT Interconnection, which covers approximately 75% of Texas's land area and 90% of its electricity load.

What We Do

Texas RE is uniquely positioned as the NERC Regional Entity for the ERCOT Interconnection and the Public Utility Commission of Texas's Reliability Monitor to offer a distinct and comprehensive perspective on grid reliability.

How We Assess Reliability

There are hundreds of reliability rules that address all aspects of the electric grid. Texas RE monitors compliance with both national and state rules.

The work we do costs only about 50 cents per year to the average residential customer.

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NERC Perspective:

- Manage a comprehensive registration program that identifies and registers all users, owners, and operators of the bulk power system
- Conduct wide-ranging evaluation of compliance with mandatory NERC reliability standards
- Perform thorough event analysis and assess emerging risks to the grid
- Evaluate proposed national standards impact on reliability in the ERCOT Interconnection
- Assess penalties for noncompliance and evaluate required mitigation plans to minimize future risks to the ERCOT grid

NERC Reliability Standards – Continent-wide reliability rules:

- Critical Infrastructure Protection including Cyber Security
- Resource and demand balancing
- Communications
- Transmission Planning and Operations
- Emergency Preparedness and Operations
- Facilities Design, Connections, and Maintenance
- Interconnection Reliability Operations and Coordination
- Modeling, Data, and Analysis
- Personnel Performance, Training and Qualifications
- Protection and Control