TEXAS RE

Ensuring electric reliability for Texans

Texas RE and the ERCOT Interconnection

Jim Albright
President and Chief Executive Officer

Texas RE's Mission and Independence

Texas RE's mission to assure effective and efficient reduction of risks to the reliability and security of the Bulk Power System in the Electric Reliability Council of Texas (ERCOT) Interconnection.

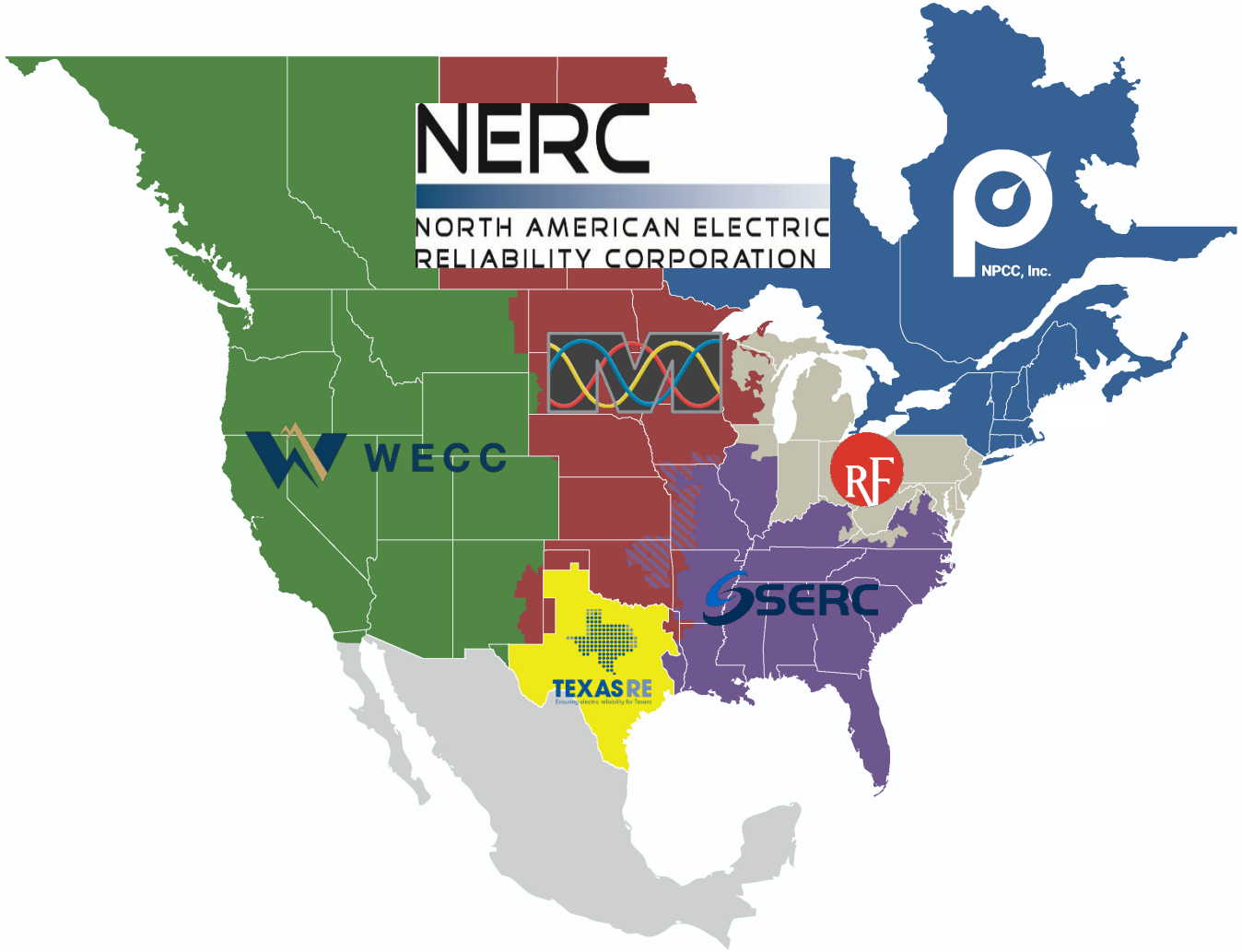
- **Texas RE's sole focus is on reliability and security**
- **Texas RE does not regulate markets**

Texas RE provides an independent voice for reliability in ERCOT

- **Texas RE is independent of all users, owners, and operators of the Bulk Power System**

Texas RE and the ERCOT Interconnection

Texas RE and the ERO Enterprise



Texas RE operates under delegated authority from NERC to serve as the regional entity for the ERCOT Interconnection

Texas RE serves as one of six regional entities that, along with NERC, comprise the ERO Enterprise

Texas RE is the only region with jurisdiction over one state and one interconnection

What Are Texas RE's Responsibilities?

Ensuring compliance with mandatory reliability standards by entities who use, own or operate the bulk power system in ERCOT

- **Compliance audits**
- **Enforcement and mitigation of non-compliance**

Registration of bulk power system owners, operators, and users

Development of assessments and reports on the reliability and adequacy of the bulk power system

- **Analysis of system events to drive reliability improvements**

Training, Education, and Outreach

Texas RE's Responsibilities Continue to Grow

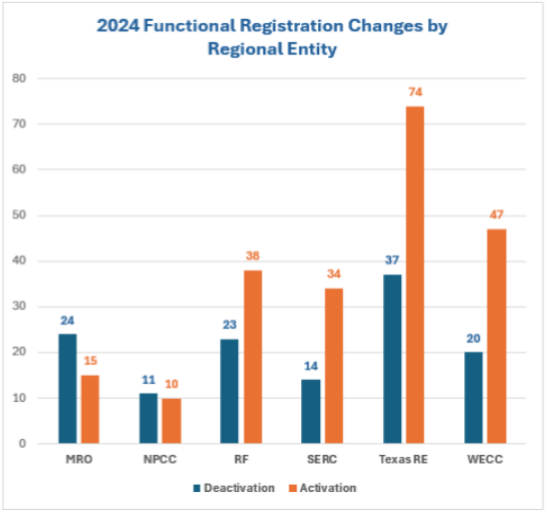
Chapter 4: Year in Review

Overview of the Year

NERC has historically provided a variety of ORCP and CMEP information in its quarterly, semiannual, and annual reports to highlight trends and other useful information to industry. Stakeholders have communicated to NERC via the CCC that they use this ORCP and CMEP information for a variety of purposes.

Functional Registration Changes by Region

In 2024, the ERO Enterprise processed 347 registration changes, 218 of them being activations and 129 deactivations. Most of this registration activity was concentrated in the Generator Owner (GO) and Generator Operator (GOP) functions, consistent with prior years.



	MRO	NPCC	RF	SERC	Texas RE	WECC
Deactivations	24	11	23	14	37	20
Additions	15	10	38	34	74	47

Figure 2: 2024 Functional Registration Changes by Regional Entity

Texas RE had the largest increase in new registrations across the ERO in 2024

The continuing increase in the number and type of registrations impacts all aspects of Texas RE's CMEP, including:

- **Registration**
- **Reliability Assessments**
- **Compliance Oversight Plans**
- **Engagements and Outreach**
- **NERC Oversight**

Texas RE's Regional Risk Assessment Key Findings

	Likelihood	Consequence
Integration of Large Flexible Loads *(increased for 2025)*	Likely	Major
Extreme Weather & Resource Weatherization *(decreased for 2025)*	Unlikely	Major
Artificial Intelligence *(new for 2025)*	Unlikely	Moderate
Inverter-Based Resource Ride Through	Likely	Major
Provision of Essential Reliability Services from a Changing Resource Mix	Unlikely	Moderate
Energy Availability	Possible	Major
Inaccurate Resource Modeling	Possible	Moderate
Remote Access	Possible	Moderate
Supply Chain	Possible	Major
Physical Security	Likely	Moderate
Facility Ratings	Unlikely	Moderate
Gas Supply Chain Restrictions during Cold Weather	Possible	Major

TEXAS RE

Emerging Trends -- Reliability

Integration of Large Loads

- Implications for in terms of potential registration and new reliability standards

Increased need for new models

- Focus on energy adequacy instead of capacity
- Need for interconnection-wide studies particularly in the east

Continued importance of Gas-Electric Coordination

Emerging Trends -- Security

Decentralization of resources

Transition from on-premises client/server business models to virtualized and cloud-based solutions

Increasing incorporation of zero trust architecture concepts

TEXAS RE
Ensuring electric reliability for Texans