The Electric Reliability Council of Texas (ERCOT) is a nonprofit organization that ensures reliable electric service for 90 percent of the state of Texas. The grid operator is regulated by the Public Utility Commission of Texas and the Texas Legislature.

**2024 Generating Capacity**
Reflects operational installed capacity based on December 2023 CDR report for Summer 2024.

- **Natural Gas**: 44.3%
- **Wind**: 25.2%
- **Coal**: 9.8%
- **Solar**: 13.2%
- **Other***: 7.6%
- **Hydro**: 0.4%
- **Storage**: 2.7%
- **Nuclear**: 3.5%

The sum of the percentages may not equal 100% due to rounding. *Other includes biomass and DC tie capacity.

**2023 Energy Use**
*Other includes solar, hydro, petroleum coke (pet coke), biomass, landfill gas, distillate fuel oil, net DC-tie and Block Load Transfer imports/export and an adjustment for wholesale storage load.

- **Natural Gas**: 45.1%
- **Wind**: 24.3%
- **Coal**: 13.9%
- **Solar**: 13.2%
- **Other***: 7.6%
- **Nuclear**: 9.2%

**1,873+** active market participants that generate, move, buy, sell or use wholesale electricity

**1,250+** generating units, including PUNs

**54,100+** miles of high-voltage transmission

**103,609+ MW** expected capacity for Summer 2024 peak demand

**38,835 MW** of installed wind capacity as of January 2024, the most of any state in the nation

**22,258 MW** of utility-scale installed solar capacity as of January 2024

**5,242 MW** of installed battery storage as of January 2024

**27,548 MW** wind generation record (January 7, 2023)

**69.15%** wind penetration record (April 10, 2022)

**18,881 MW** solar generation record (March 28, 2024)

**42.98%** solar penetration record (March 28, 2024)

**$3.3 billion** transmission projects endorsed in 2022
ERCOT manages the flow of electric power to more than 26 million Texas customers, representing about 90 percent of the state's electric load. As the Independent System Operator for the region, ERCOT schedules power on an electric grid that connects more than 54,100 miles of transmission lines and 1,250 generation units, including Private Use Networks. ERCOT also performs financial settlement for the competitive wholesale bulk-power market and administers retail switching for more than 8 million premises in competitive choice areas. ERCOT is a membership-based 501(c)(4) nonprofit corporation, governed by a board of directors and subject to oversight by the Public Utility Commission of Texas and the Texas Legislature.

In 1999, the Texas Legislature restructured the Texas electric market and assigned ERCOT four primary responsibilities:

- Maintain system reliability.
- Facilitate a competitive wholesale market.
- Facilitate a competitive retail market.
- Ensure open access to transmission.

ERCOT Board of Directors

- Paul Foster: Chair - Director
- Bill Flores: Vice Chair - Director
- Carlos Aguilar: Director
- Linda Capuano: Director
- Lori Cobos: Commissioner, PUCT
- Julie England: Director
- Robert "Bob" Flexon: Director
- Thomas Gleeson: Chair of PUCT
- Peggy Heeg: Director
- Courtney Hjaltman: Public Counsel
- John Swainson: Director
- Pablo Vegas: President and Chief Executive Officer

ERCOT Executive Team

- Pablo Vegas: President and Chief Executive Officer
- Jayapal Parakkuth: Senior Vice President and Chief Information Officer
- Woody Rickerson: Senior Vice President and Chief Operation Officer
- Chad V. Seely: Senior Vice President, General Counsel, and Corporate Secretary
- Jeyant Tamby: Senior Vice President, Executive Advisor
- Sean Taylor: Senior Vice President, Chief Financial and Chief Risk Officer
- Robert Black: Vice President, Public Affairs
- Betty Day: Vice President, Security & Compliance and Chief Compliance Officer
- Kristi Hobbs: Vice President, System Planning & Weatherization
- Adam Martinez: Vice President, Enterprise Risk and Strategy
- Kenan Ögelman: Vice President, Commercial Operations
- Mara Spak: Vice President, Human Resources
- Venkat Tirupati: Vice President, DevOps and Grid Transformation
- Dan Woodfin: Vice President, System Operations

Download the ERCOT app

Connect with us

ERCOT.com  twitter.com/ercot_iso  facebook.com/ERCOTISO/
linkedin.com/company/ercot