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.

ERCOT has four primary responsibilities:
- Maintain system reliability.
- Facilitate a competitive wholesale market.
- Facilitate a competitive retail market.
- Ensure open access to transmission.

1 MW of electricity can power about 200 Texas homes during periods of peak demand.

- 74,820 MW Record peak demand (Aug. 12, 2019)
- 73,821 MW Weekend peak demand record (Aug. 15, 2020)
- 1 MW of electricity can power about 200 Texas homes during periods of peak demand.

- 90 percent of Texas Load
- More than 26 million customers in the ERCOT region
- 75 percent of load is competitive-choice customers — nearly 8 million electric-service IDs (premises)

- 1,800+ active market participants that generate, move, buy, sell or use wholesale electricity
- 82,000+ megawatts (MW) of expected capacity for summer 2020 peak demand
- 680+ generating units, excluding PUNs
- Transmission projects endorsed in 2020 total $598.6 million
- 46,500+ miles of high-voltage transmission

- Wind Generation record: 21,375 MW (June 28, 2020)
- Wind Penetration record: 59.30 percent (May 2, 2020)
- 24,976 MW of installed wind capacity as of October 2020, the most of any state in the nation
- 3,854 MW of utility-scale installed solar capacity as of October 2020
- 185 MW of installed battery storage as of October 2020

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2019 Energy Use
- Natural Gas: 47%
- Wind: 20%
- Coal: 20%
- Nuclear: 11%
- Other: 2%

2020 Generating Capacity
- Natural Gas: 52.8%
- Wind: 23.3%
- Coal: 14.5%
- Nuclear: 5.1%
- Solar: 2.2%
- Other: 2.0%
- Storage: 0.1%

*Includes solar, hydro, petroleum coke, biomass, landfill gas, distillate fuel oil, net DC-tie and Block Load Transfer imports/exports and an adjustment for wholesale storage load.

384 billion kilowatt-hours of energy were used in 2019, a 2 percent increase compared to 2018.
The Electric Reliability Council of Texas (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 46,500 miles of transmission lines and 680+ generation units. It also performs financial settlement for the competitive wholesale bulk-power market and administers retail switching for nearly eight 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. Its members include consumers, cooperatives, generators, power marketers, retail electric providers, investor-owned electric utilities, transmission and distribution providers and municipally-owned electric utilities.

**ERCOT Executive Team**

Bill Magness  
*President and Chief Executive Officer*

Betty Day  
*Vice President, Security & Compliance and Chief Compliance Officer*

Theresa Gage  
*Vice President, External Affairs and Corporate Communications*

Kenan Ögelman  
*Vice President, Commercial Operations*

Jayapal Parakkuth  
*Vice President and Chief Information Officer*

Woody Rickerson  
*Vice President, Grid Planning and Operations*

Chad V. Seely  
*Vice President, General Counsel and Corporate Secretary*

Mara Spak  
*Vice President, Human Resources*

Jeyant Tamby  
*Senior Vice President and Chief Administrative Officer*

Sean Taylor  
*Vice President and Chief Financial Officer*

**ERCOT Board of Directors**

Craven Crowell  
*Chair (Unaffiliated)*

Judy Walsh  
*Vice Chair (Unaffiliated)*

Terry Bulger  
*(Unaffiliated)*

Mark Carpenter  
*Oncor Electric Delivery Company (Investor-Owned Utility)*

Lori Cobos  
*Office of Public Utility Counsel (Residential Consumer, ex officio)*

Seth Cochran  
*DC Energy Texas, LLC (Independent Power Marketer)*

Peter Cramton  
*(Unaffiliated)*

Nick Fehrenbach  
*City of Dallas (Commercial Consumer)*

Kevin Gresham  
*RWE Renewables Americas LLC (Independent Generator)*

Sam Harper  
*Chaparral Steel Midlothian, LP (Industrial Consumer)*

Clifton Karnei  
*Brazos Electric Power Cooperative, Inc. (Cooperative)*

Bill Magness  
*President and Chief Executive Officer, ERCOT (ex officio)*

Karl Pfirrmann  
*(Unaffiliated)*

Ned Ross  
*Direct Energy (Independent Retail Electric Provider)*

Jackie Sargent  
*Austin Energy (Municipal)*

DeAnn T. Walker  
*Chair, Public Utility Commission of Texas (ex officio, non-voting)*

**Segment Alternates**

Keith Emery  
*Tenaska Power Services Co. (Independent Power Marketer)*

Mike Kezar  
*South Texas Electric Cooperative, Inc. (Cooperative)*

Glen Lyons  
*ExxonMobil Power and Gas Services, Inc. (Industrial Consumer)*

Steve Madden  
*Infinite Energy (Independent Retail Electric Provider)*

Jennifer Richie  
*City of Waco (Commercial Consumer)*

Steven Schleimer  
*Calpine Corporation (Independent Generator)*

Wade Smith  
*American Electric Power Service Corporation (Investor-Owned Utility)*

Ian Taylor  
*New Braunfels Utilities (Municipal)*

**www.ercot.com**

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**Electric Reliability Council of Texas**

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