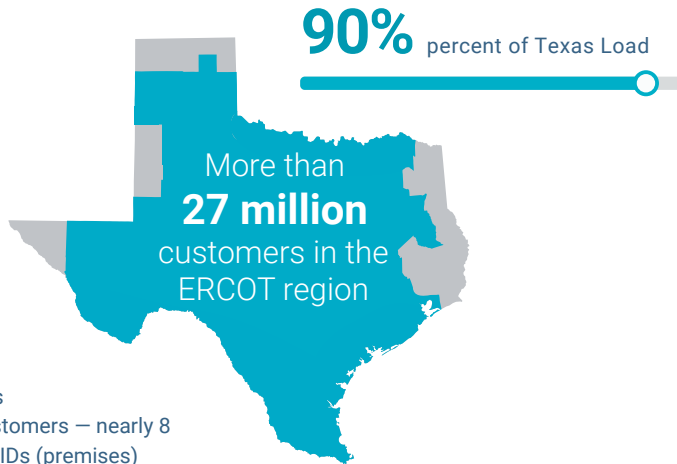




The Electric Reliability Council of Texas (ERCOT) is a nonprofit organization that ensures reliable electric service for 90 percent of the state of Texas. The grid operator is regulated by the Public Utility Commission of Texas and the Texas Legislature.



1 MW of electricity is enough to serve about 250 residential customers during ERCOT peak hours.

85,508 MW

Record peak demand (August 10, 2023)

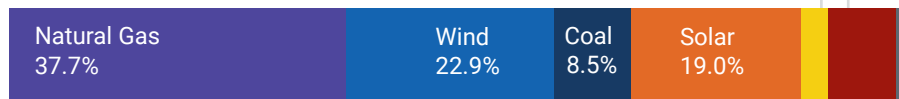
85,116 MW

Weekend peak demand record (August 20, 2023)

**Unofficial until final settlements occur*

2025 Generating Capacity

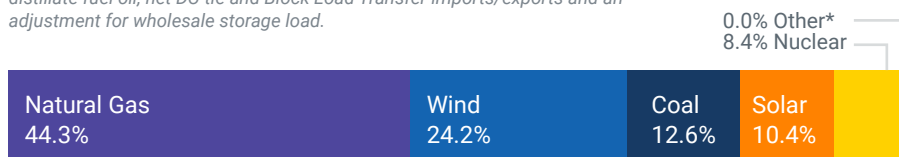
Reflects operational installed capacity for Summer 2025 based on December 2024 CDR report.



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

2024 Energy Use

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



Fact Sheet

April 2025

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

103,105+ MW

expected capacity for Summer 2025 peak demand (December 2024 CDR)

39,781 MW

of installed wind capacity as of April 2025, the most of any state in the nation

30,586 MW

of utility-scale installed solar capacity as of April 2025

11,196 MW

of installed energy storage as of April 2025

28,550 MW

wind generation record (March 3, 2025)

69.15%

wind penetration record (April 10, 2022)

26,716 MW

solar generation record (April 10, 2025)

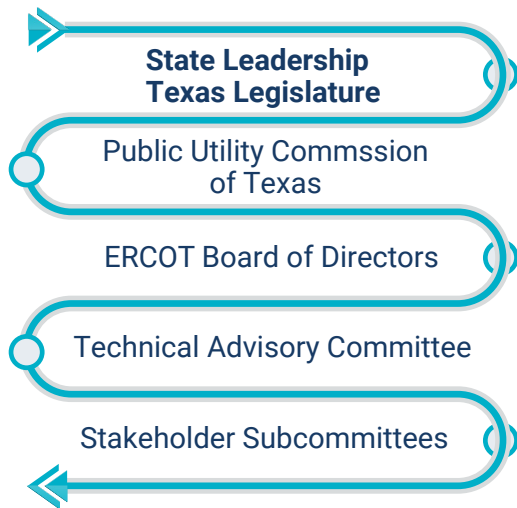
56.60%

solar penetration record (March 20, 2025)

\$3.8 billion

transmission projects endorsed in 2024

ERCOT manages the flow of electric power to more than 27 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.*

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