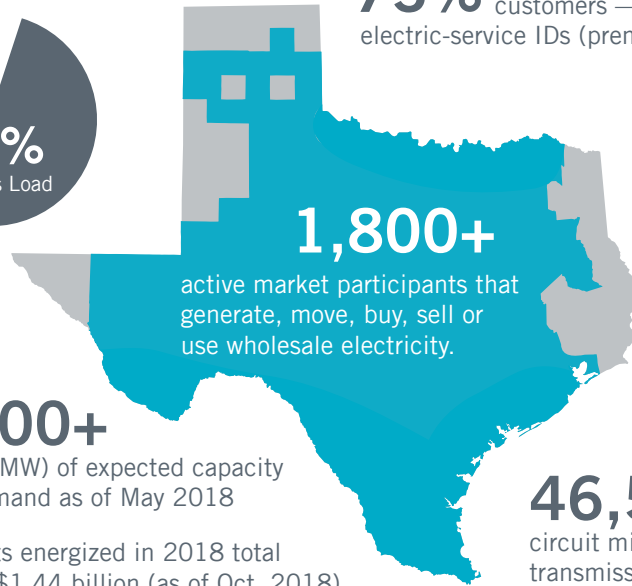
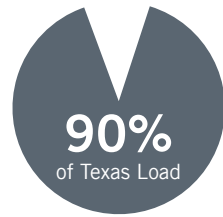


ERCOT Region

Quick Facts

The Texas Legislature restructured the Texas electric market in 1999 by unbundling the investor-owned utilities and creating retail customer choice in those areas, and assigned ERCOT four primary responsibilities:

- System reliability – planning and operations
- Wholesale market settlement for electricity production and delivery
- Retail switching process for customer choice
- Open access to transmission



75% of load is competitive-choice customers — nearly 8 million electric-service IDs (premises)

610+
generating units, excluding PUNs and battery storage

More than **25**
million consumers in the ERCOT region

46,500+
circuit miles of high-voltage transmission

73,473 MW

Record peak demand (July 19, 2018)

71,445 MW

Weekend demand record (July 22, 2018)

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

Variable Generation



Wind Penetration record: 56.16 percent (Jan. 19, 2019)

Wind Generation record: 19,672 MW (Jan. 21, 2019)

- 21,751 MW of installed wind capacity, the most of any state in the nation.
- 1,719 MW of utility-scale installed solar capacity as of Dec. 2018

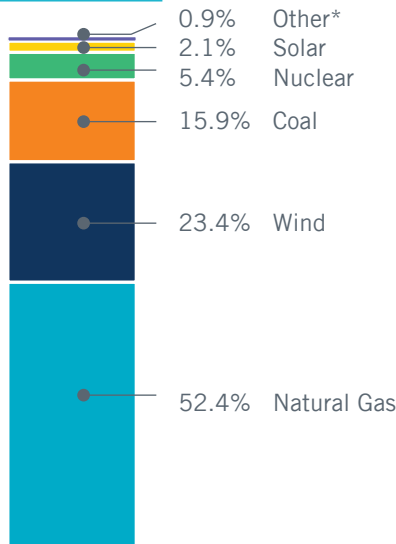
Demand response resources include:

- Load resources
- Emergency response service (commercial and industrial)
- Utility load management programs

Annual Energy Information

2019 Generation Capacity

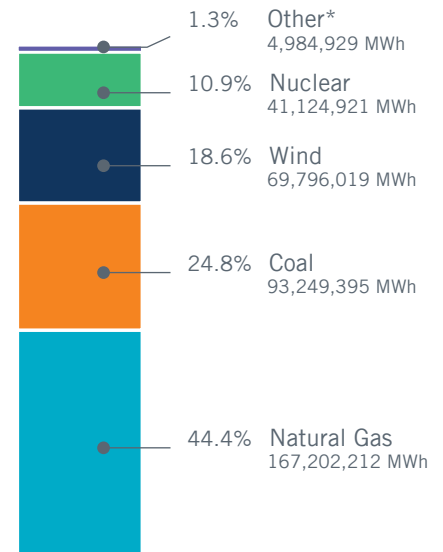
*Includes hydro, storage and biomass



2018 Energy Use

376 billion kilowatt-hours of energy used in 2018, a 5 percent increase compared to 2017.

*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.



The Electric Reliability Council of Texas (ERCOT) manages the flow of electric power to more than 25 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 600+ 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 <i>President & Chief Executive Officer</i> | Steve Daniels <i>Vice President, Application Services and IT Operations</i> | Kenan Ögelman <i>Vice President, Commercial Operations</i> | Chad Seely <i>Vice President, General Counsel and Corporate Secretary</i> |
| Cheryl Mele <i>Senior Vice President & Chief Operating Officer</i> | Betty Day <i>Vice President, Governance, Risk and Compliance</i> | Mike Petterson <i>Vice President and Chief Financial Officer</i> | Jeyant Tamby <i>Senior Vice President and Chief Administrative Officer</i> |
| Jerry Dreyer <i>Senior Vice President & Chief Information Officer</i> | Theresa Gage <i>Vice President, External Affairs & Corporate Communications</i> | Woody Rickerson <i>Vice President, Grid Planning and Operations</i> | Diane Williams <i>Vice President, Human Resources</i> |

ERCOT Board of Directors

| | | | |
|--|--|--|--|
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| Rick Bluntzer Just Energy Texas, LP (Independent Retail Electric Provider) | Clifton Karnei Brazos Electric Power Cooperative, Inc. (Cooperative) | <hr/> Segment Alternates | |
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