ERCOT Quick Facts

At a glance

- 85% of Texas load
- 24 million consumers
- Competitive-choice customers: 73% of load
  - 6.7 million electric-service ID's (premises)
- >41,500 circuit miles of high-voltage transmission
- 550 generating units
- >74,000 megawatts (MW) capacity for peak demand
  - One megawatt of electricity can power about 200 Texas homes during periods of peak demand.
- Record peak demand: 68,305 MW (Aug. 3, 2011)
  - New monthly peaks in October, November and December 2013
- Energy used in 2013: 331 billion kilowatt-hours
  - A nearly 2.1 percent increase compared to 2012
- Market participants: >1,100 active entities that generate, move, buy, sell or use wholesale electricity

Energy Use 2013*

*Totals >100% due to rounding

2014 Generation Capacity

effective January 2014

What we do

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
- Open access to transmission
- Retail switching process for customer choice
- Wholesale market settlement for electricity production and delivery

State of the Grid

Transmission Investment and Development

- $14.3 billion in transmission added since 1999
- 9,141 circuit miles of transmission improvements since 1999
- 2,558 circuit miles of transmission planned
- $3.7 billion under development in five-year plan

Generation Development

- 48,000 MW new generation added since 1999
  - 137 older units decommissioned
- 12,754 MW generation committed for the future (with transmission contract and air permit)
- 51,100 MW of active generation requests under review, including more than 24,200 MW of wind (December 2013)

Wind Generation

- More than 11,000 MW of installed wind capacity
  - Most of any state in the nation
- Wind generation record: 10,296 MW (March 26, 2014)
  - nearly 29 percent of the load at the time

Retail Service Switches

- 89% of residential customers (February 2014)
- 90% of small non-residential customers (February 2014)
- 97% of large non-residential customers (February 2014)
- 186 certified competitive retail electric providers

Advanced Meters and Demand Response

- 6.6 million advanced meters
  - 97 percent of ERCOT load in competitive areas settled with 15-minute interval data
- >2,100 MW in demand response resources, including:
  - Load resources (mostly large industrial) ~1,200 MW
  - Emergency response service (commercial and industrial) ~700 MW
  - Utility load management programs
- Additional economic demand response, voluntary public responses to conservation requests and more

ERCOT Governance

ERCOT Board of Directors

Craven Crowell
Chair
(unaffiliated)

Judy Walsh
Vice Chair
(unaffiliated)

Tonya Baer
Office of Public Utility Counsel
(residential consumer, ex-officio)

Jorge Bermudez
(unaffiliated)

Shannon Bowling
Cirro Energy
(independent retail electric provider)

Mark Carpenter
Oncor Electric Delivery
(investor-owned utility)

Andrew Dalton
Valero Energy Corporation
(industrial consumer)

H.B. "Trip" Doggett
President and Chief Executive Officer, ERCOT (ex-officio)

Mark Dreyfus
Austin Energy
(municipal utility)

Nick Fehrenbach
City of Dallas
(commercial consumer)

Michehl Gent
(unaffiliated)

Kevin Gresham
E.ON Climate & Renewables
(independent generator)

Clifton Karnei
Brazos Electric Cooperative
(cooperative)

Donna Nelson
Chair, Public Utility Commission
(ex-officio, non-voting)

Karl Pfirrmann
(unaffiliated)

Jean Ryall Porter
CCNG, Inc.
(independent power marketer)

Segment Alternates

Kristy Ashley
Exelon Corporation
(independent generator)

Read Comstock
Direct Energy LP
(independent retail electric provider)

Brad Cox
Tenaska Power Services
(independent power marketer)

Carolyn Shellman
CPS Energy
(municipal)

Wade Smith
American Electric Power
(investor-owned utility)

Vacant
(cooperative)

ERCOT Officers

H.B. "Trip" Doggett
President & Chief Executive Officer

Betty Day
Vice President of Business Integration

Jerry Dreyer
Vice President & Chief Information Officer

Brad Jones
Vice President, Commercial Operations

Bill Magness
Vice President & General Counsel

Charles B. Manning, Jr.
Vice President, Human Resources, & Chief Compliance Officer

Ken McIntyre
Vice President, Grid Planning & Operations

Mike Petterson
Vice President, Finance & Treasury

Board, Stakeholder Process

The ERCOT Board of Directors has general overall responsibility for managing the affairs of ERCOT, including approval of the budget and capital spending priorities, approval of revisions to ERCOT protocols and guides, and endorsement of major new transmission recommendations.

ERCOT's 16-member "hybrid" board includes five independent (or unaffiliated) members; three consumer segment representatives (industrial, commercial and residential); the ERCOT CEO; the Public Utility Commission (PUC) chairman (nonvoting), and six representatives from each of the industry segments – investor-owned utilities (or transmission owners), municipally-owned utilities, cooperatives, generators, power marketers and retail electric providers.

Under the Board's oversight, ERCOT's stakeholder process is responsible for developing policies, procedures and guidelines for power grid coordination, reliability and market operations.

Six standing committees and subcommittees supported by numerous working groups and task forces function within the stakeholder process.

PUC, Legislative Oversight

ERCOT is unique because its electricity grid is not synchronously connected outside of the state. Because of its separateness, ERCOT is primarily regulated by the Public Utility Commission of Texas (PUC) and the Texas Legislature, not federal authorities. The PUC approves the ERCOT system administration fee and has general oversight authority, including the ability to order audits.

For most purposes, ERCOT, like the PUC, is accountable to the Texas Legislature and its jurisdictional committees. For federal reliability standards, ERCOT is accountable to the Texas Reliability Entity, the North American Electric Reliability Corporation, and the Federal Energy Regulatory Commission.

The Electric Reliability Council of Texas (ERCOT) manages the flow of electric power to approximately 23 million Texas customers – representing 85 percent of the state's electric load and 75 percent of the Texas land area. As the Independent System Operator for the region, ERCOT schedules power on an electric grid that connects 40,530 miles of transmission lines and more than 550 generation units. ERCOT also manages financial settlement for the competitive wholesale bulk-power market and administers customer switching for 6.7 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.