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.

<table>
<thead>
<tr>
<th>Energy Source</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Gas</td>
<td>44.3%</td>
</tr>
<tr>
<td>Wind</td>
<td>25.2%</td>
</tr>
<tr>
<td>Coal</td>
<td>9.8%</td>
</tr>
<tr>
<td>Solar</td>
<td>13.2%</td>
</tr>
<tr>
<td>Hydro</td>
<td>0.4%</td>
</tr>
<tr>
<td>Other*</td>
<td>0.9%</td>
</tr>
<tr>
<td>Storage</td>
<td>2.7%</td>
</tr>
<tr>
<td>Nuclear</td>
<td>3.5%</td>
</tr>
</tbody>
</table>

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/exports and an adjustment for wholesale storage load.

<table>
<thead>
<tr>
<th>Energy Source</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Gas</td>
<td>45.1%</td>
</tr>
<tr>
<td>Wind</td>
<td>24.3%</td>
</tr>
<tr>
<td>Coal</td>
<td>13.9%</td>
</tr>
<tr>
<td>Solar</td>
<td>7.6%</td>
</tr>
<tr>
<td>Other*</td>
<td>9.2%</td>
</tr>
<tr>
<td>Nuclear</td>
<td></td>
</tr>
</tbody>
</table>

**Fact Sheet**

March 2024

- **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)
- **17,201 MW** solar generation record (February 19, 2024)
- **41.81%** solar penetration record (March 10, 2024)
- **$3.3 billion** transmission projects endorsed in 2022

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

**Record peak demand**

85,508 MW (August 10, 2023)

**Weekend peak demand record**

85,116 MW (August 20, 2023)

*Unofficial until settlements occur
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 52,700 miles of transmission lines and 1,100 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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March 2024