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.

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

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

85,508 MW
Record peak demand (August 10, 2023)

85,116 MW
Weekend peak demand record (August 20, 2023)

*Unofficial until settlements occur

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>13.2%</td>
</tr>
<tr>
<td>Other*</td>
<td>7.6%</td>
</tr>
<tr>
<td>Nuclear</td>
<td>9.2%</td>
</tr>
</tbody>
</table>

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)

39.94%
Solar penetration record (February 18, 2024)

$3.3 billion
Transmission projects endorsed in 2022
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 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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