

Overview

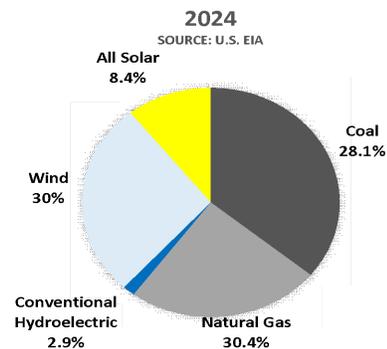
- Colorado ranks among the top 10 states in total energy production, and its per capita total energy consumption is lower than two-thirds of the states (source: U.S. Energy Information Administration (EIA), June 2024).
- In 2023, renewable energy sources accounted for 39% of Colorado's total in-state electricity net generation, with wind power making up 70% of that renewable generation (source: U.S. EIA, June 2024).
- Colorado is set to close 4,300 MW of coal-fired capacity from 2022 to 2031 across nine units.
- Colorado is on track to reach more than 85% emissions reductions in the power sector by 2030 and aims for 100% clean electricity by 2050.



Colorado's Energy Mix

- Renewables: 38.4%
 - Wind: 30%
 - Solar: 8.4%
 - Hydroelectric and Other Renewables: 2.9%
- Coal: 28.1%
- Natural Gas: 30.4%

COLORADO NET GENERATION BY SOURCE



⚡ Renewable Energy & Electricity Generation

- **Renewable Energy Share:** Colorado ranks 9th in the nation, with 39% of its electricity generated from renewable sources in 2023. Wind power constitutes approximately 70% of this renewable generation (source: U.S. EIA, June 2024).
- **Wind Energy Capacity:** Colorado currently ranks 6th in the nation for installed wind power capacity (source: U.S. EIA, June 2024).
 - Colorado's installed wind capacity is reported at over 5,379 megawatts (MW) across 34 wind farms (source: Cleanview's project tracker, April 2025).
 - Colorado plans to add 4,250 MW of wind energy capacity by 2030, aiming to nearly double its current capacity.
- **Solar Energy Capacity:** Colorado is ranked 14th in the country for its 4.46 GW total installed solar capacity, which represents 11.5% of the Centennial State's electricity (source: Solar Energy Industries Association's Solar Market Insight 2024 Year-in-Review report, updated on March 11, 2025).
- **Community Solar Gardens:** Colorado consistently ranks among the top 10 states in the U.S. for community solar gardens with 70 operational ones statewide (source: United States Solar Corporation, 2025).

🏠 Average Residential Electricity Bill:

- Colorado ranks 3rd among U.S. states for the lowest residential average monthly electricity bill at \$99.37 (source: <https://findenergy.com/co/> and April 2025 U.S. EIA data).
- Colorado's residential electricity rate of 15.01 ¢/kWh is significantly lower than the national average (source: Electric Rates by State April 2025, U.S. EIA data).

🚗 Electric Vehicles (EVs)

- **EV Market Share:** Colorado currently leads the nation in EV sales, with EVs making up 31.5% of new car sales in the last quarter of 2024.
- **EV Charging Infrastructure:** Colorado ranks 7th with more than 5,100 public EV plugs, including roughly 4,000 slower Level 2 ports and 1,000 fast charger ports. That's more than double the number of public chargers available in 2020 (source: Colorado Energy Office, March 2025).
- **EV Adoption Goal:** Colorado aims to achieve 70% EV sales share by 2030.
- **Transportation Electrification:** Colorado ranked third in the American Council for an Energy-Efficient Economy's (ACEEE) 2023 State Transportation Electrification Scorecard.

💡 Energy Efficiency & Grid Modernization

- **Energy Efficiency Ranking:** Colorado ranks 7th in the nation for energy efficiency, according to the 2025 State Energy Efficiency Scorecard by the American Council for an Energy-Efficient Economy (ACEEE).
- **Grid Modernization:** Colorado is ranked 9th for policies, programs, and investments in grid modernization.

🏗️ Building Efficiency & LEED Certifications

- **LEED Green Building Certifications:** Colorado is ranked 9th in the United States for LEED-certified square footage per capita in 2024. The state achieved 2.4 square feet of LEED-certified space per capita, with 64 commercial projects totaling approximately 13.8 million gross square feet certified during the year (source: U.S. Green Building Council).
- **Building Performance Standards:** Colorado is one of only four states (along with Oregon, Washington and Maryland) to have passed Building Performance Standards aimed at improving the performance of existing buildings.



Reliability

- **System Average Interruption Duration Index (SAIDI)** (measures the amount of time the average customer is out of power during the year): Colorado ranks 10th in 2024 with 141.5 average minutes out of power during the year (source: FERC based on U.S. EIA data, updated April 16, 2025).

Battery Storage

- **Battery Storage Capacity:** Colorado ranks 8th in the nation for installed battery storage capacity, with 240 MW (source: Environment Colorado Research & Policy Center, October 2024).

Clean Energy Investments

- **Clean Energy Investments:** Colorado is a top 10 state for climate-tech venture capital investment and has attracted nearly \$14 billion in utility-scale clean energy investments, including solar, wind, and storage projects, contributing to over 15,000 jobs in the sector.
- **Renewable energy jobs:** Colorado ranks 7th for renewable generation jobs with 18,718 workers in renewable generation (including solar, wind, etc.). Colorado has 67,000 clean energy jobs of which 15,000+ are in utility-scale clean energy (source: E2.org's Clean Jobs Colorado November 2024 report).
- **Manufacturing facilities:** Colorado also hosts 12 operating clean energy manufacturing facilities (source: American Clean Power report, September 2023).

