2023 CLEAN JOBS MIDWEST

KANSAS FACT SHEET

Kansas Clean Energy & Transportation Jobs Are Growing

Kansas' clean energy and clean transportation jobs grew nearly 5 percent in 2022 and the industry is poised for continued growth thanks to federal climate investments passed last year.

QUICK FACTS

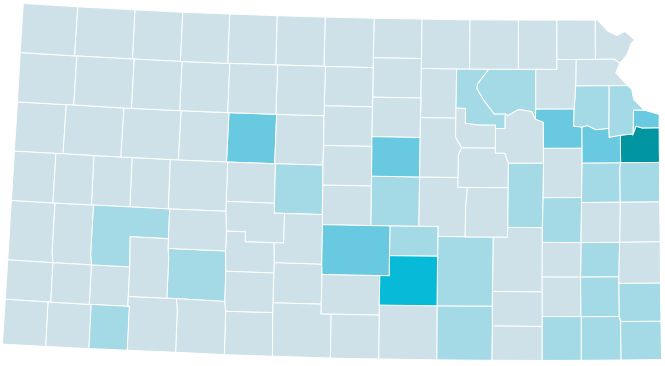
24,823
Clean energy jobs

+11.8%
Growth of jobs in the clean transportation sector, the state's fastest-growing sector in 2022

+4.7%
Growth in clean energy jobs in 2022

Clean energy companies employed more than 24,000 Kansans at the end of 2022, a nearly 5 percent increase from 2021. Clean energy is a significant part of Kansas' economy. More than 3 times as many Kansans worked in clean energy than the number of lawyers, web developers, and real estate agents combined. In 2022, clean energy jobs grew 50 percent faster than the overall economy, and this growth is expected to continue as federal clean energy and vehicle incentives lead to new clean energy projects, a resurgence of domestic manufacturing, and lower upfront costs for homeowners to make energy efficiency improvements.

Clean Energy Jobs* in Kansas



Jobs by County

5,000+ | 2,000–4,999 | 500–1,999 | 100–499 | <100

*Visualization based on 2021 data

The biggest sector in Kansas' clean energy industry is energy efficiency, comprising over 68 percent of the state's clean energy workforce. The 16,984 energy efficiency workers in Kansas manufacture ENERGY STAR-rated appliances, install efficient lighting, ventilation, and air conditioning (HVAC) systems, and install advanced building materials in homes and commercial buildings.

As more automakers and their suppliers continued to shift to electric vehicles, the clean transportation sector saw an increase in employment of nearly 12 percent in Kansas. The sector added over 270 new jobs for a total of 2,569 workers. Electric vehicle-related jobs accounted for most of the sector's growth.

Renewable energy jobs in solar (11% growth) and wind (3% growth) continue to see gains throughout the state while smaller, emerging subsectors like battery storage technologies (10% growth) and grid modernization (11% growth) are also continuing to grow.

Clean energy jobs are found in every corner of the state. While big cities like Kansas City (10,127), Wichita (4,828), and Topeka (1,622) are some of the largest hubs for clean energy jobs, more than one in four — or almost 7,000 — jobs are in rural areas.

63.3% **Small businesses** drive Kansas' clean energy sector — in 2022, 63.3 percent of the state's clean energy businesses employed fewer than 20 individuals

9.8% More than 9 percent of Kansas' clean energy workers were **veterans** in 2022

Learn even more about clean energy jobs in Kansas at **www.cleanjobsmidwest.com**

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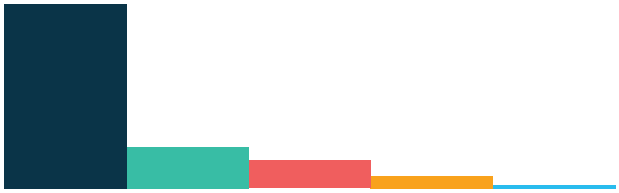
POLICIES MATTER

While recent federal policies, including investments and tax credits for energy efficiency upgrades, EV and solar purchases and new clean energy projects create strong tailwinds, there is still more to do. To meet the nation's goals of reducing climate emissions by 50 percent by 2030, improve equity in the clean energy economy and grow clean energy jobs, lawmakers and policymakers should:

- **Defend against attempts to roll back federal clean energy and vehicle investments:** Just one year after the passage of the Inflation Reduction Act, companies are investing over $86 billion in large scale clean energy projects that will lead to the creation of over 74,000 jobs, thanks to the federal investments and incentives in the new law. Of the 210 projects announced, almost a quarter are in Midwestern states. Attempts to rollback provisions of the federal clean energy incentives threaten future clean energy job growth and economic opportunity.
- **Develop and fund federal and state workforce development programs.** One of the largest barriers to clean energy job growth is the challenge to fill open positions. Workforce training will be critical to the continued growth of the industry, as nearly 90 percent of employers in Kansas report at least some difficulty hiring workers.
- **Expand transmission to increase access for clean energy projects.** Federal and state governments must work with the Midwest regional transmission organizations to build more transmission. Without more transmission, many wind and solar projects will not be built.
- **Advance state-level clean energy policies.** It will be important for Kansas to adopt state policies that support renewable energy, energy efficiency and electric vehicles to leverage federal investment and help create thousands of new jobs.

JOBS BY SECTOR



16,984	Energy Efficiency
3,832	Renewable Energy
2,569	Clean Transportation
1,134	Grid & Storage
303	Clean Fuels

2022 SUBSECTOR DETAILS

Energy Efficiency

3,849	Energy STAR & Efficient Lighting
2,648	Traditional HVAC
3,587	High Efficiency HVAC & Renewable H&C
3,096	Advanced Materials
3,805	Other

Grid & Storage

611	Clean Storage
194	Smart Grid
155	Micro Grid
174	Other Grid Modernization

Clean Fuels

152	Other Ethanol/Non-Woody Biomass
151	Other Biofuels

Clean Transportation

1,161	Hybrid Electric Vehicles
538	Plug-In Hybrid Vehicles
734	Electric Vehicles
136	Hydrogen and Fuel-Cell Vehicles

Renewable Energy Generation

1,210	Solar
2,033	Wind
62	Geothermal
434	Bioenergy/CHP
94	Low-Impact Hydroelectric

Unless otherwise stated, the data and analyses presented in this report by Evergreen Climate Innovations and Environmental Entrepreneurs (E2) are based on data collected for the 2023 U.S. Energy Employment Report (2023 USEER), produced by the United States Department of Energy (DOE) and collected and analyzed by BW Research Partnership (BWRP).

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