Energy Solutions to Meet Growth in Kansas

81,792 energy workers statewide
Nearly 6% of state employment

$8.3B in capital expenditure invested
in energy and manufacturing projects since Q2 2022

Natural gas + renewables = 62%
of Kansas' power generation

$70M in rural revenue
from clean power projects

The United States is already experiencing sharp increases in energy demand coupled with concerns about rising energy costs. A recent report by S&P Global Commodity Insights predicts that U.S. electricity demand will surge by 35 – 50% over the next few decades, driven by AI, data centers, and the onshoring of U.S. manufacturing.[1]

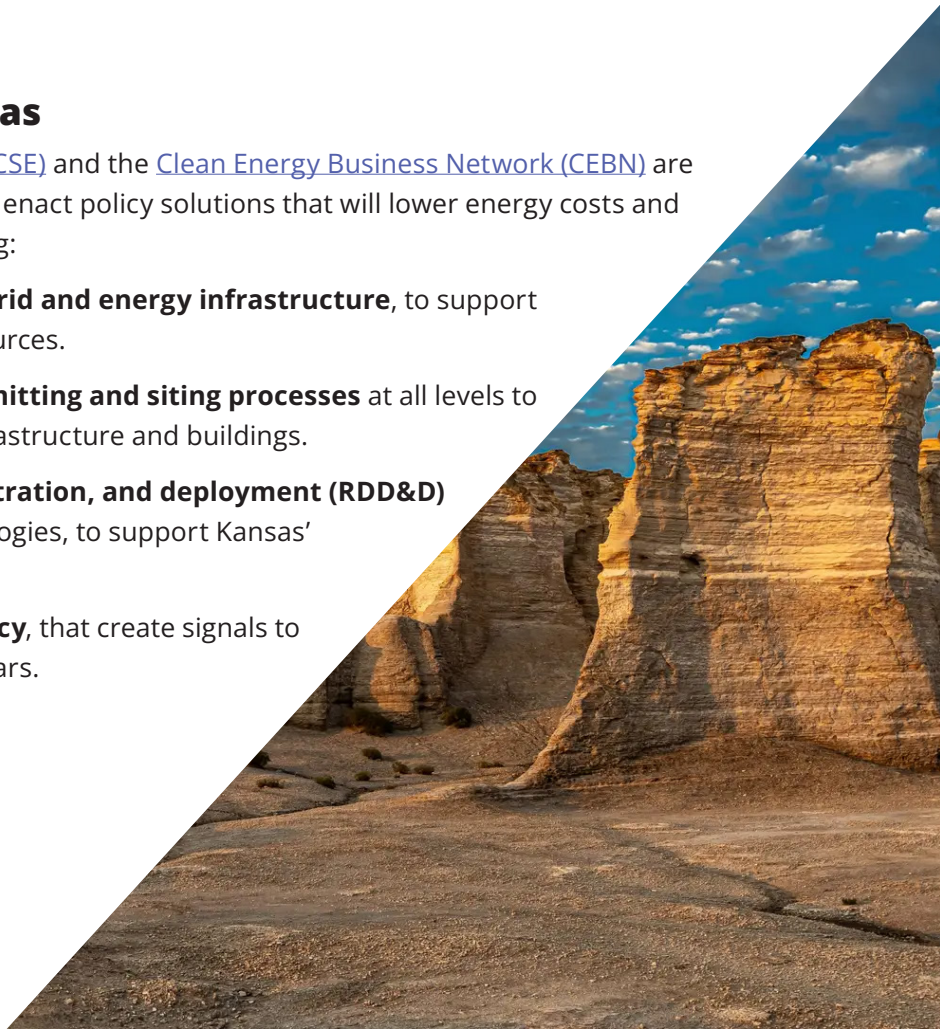
A broad portfolio of energy solutions are ready to meet this demand growth and provide economic benefits for communities across the country. In 2024, the United States deployed $338 billion in financing for energy technologies, including renewable energy, EVs, and power grid investment – up from $303 billion in 2023, a 0.8% increase year on year. Nevertheless, China continued to lead the global market, with $818 billion of investment in 2024, a 20% increase year on year.[2]

We need more energy now from a broad portfolio of all-of-the-above energy solutions. **This fact sheet highlights energy projects** driving economic growth in Kansas – and policy solutions to meet growing energy demand.

Energy Policy Solutions in Kansas

The Business Council for Sustainable Energy (BCSE) and the Clean Energy Business Network (CEBN) are working with Congressional and state offices to enact policy solutions that will lower energy costs and ensure competitive Kansas leadership, including:

- Expanding and **modernizing the electric grid and energy infrastructure**, to support integration of new and flexible energy resources.
- Reforming and expanding capacity for **permitting and siting processes** at all levels to enable the build-out of efficient energy infrastructure and buildings.
- Funding **research, development, demonstration, and deployment (RDD&D)** of energy and carbon management technologies, to support Kansas' innovation in these expanding markets.
- Employing market-based tools, like **tax policy**, that create signals to invest and that leverage private sector dollars.



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Kansas' Expansive Energy Industry

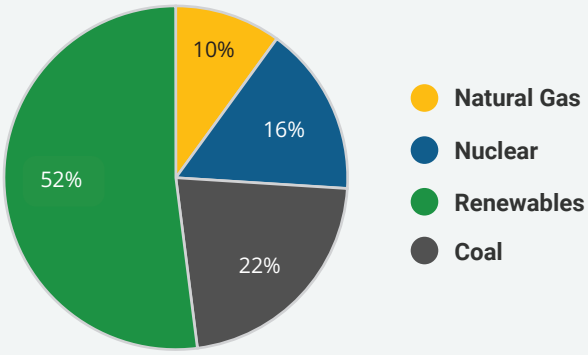
INVESTMENT: $8.3 billion in capital expenditure has been invested in 60 Kansas energy and manufacturing projects since Q2 2022.[3]

RURAL BENEFIT: Clean power projects provide extra income to farmers, ranchers, and other private landowners. Annually, these drought-proof land lease payments total $70 million.[4]

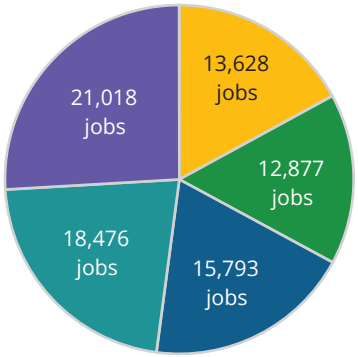
ENERGY PRICES: From May 2024 to May 2025, average residential energy prices in Kansas increased by 4.4%.[5] As of June 2025, average residential electrical rates in Kansas are 15 cents per kWh, which are the 19th lowest in the country.[6]

GENERATION MIX: Natural gas and renewables provided 62% of Kansas' power generation in 2024, up from 25% just a decade ago.[2]

- In 2023, Kansas had the third-largest share of electricity generation from wind power of any state.[7]
- Renewable energy, including hydropower, provides 52% of Kansas' electricity generation. Solar, wind, biomass, waste-to-energy, geothermal, and hydropower have cumulatively installed more than 9,170 MW of power generation to date.[2]



JOBS: Kansas had 81,792 energy workers statewide in 2024, representing 1% of all U.S. energy jobs. From 2023 to 2024, energy jobs in the state increased by 1,323 jobs, or 1.6%. The energy sector in Kansas represents 5.7% of total state employment.[11]



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Energy at Work

TRANE TECHNOLOGIES: Energy-Efficient HVAC and Supply

- Multi-billion-dollar company focused on heating, ventilation, and air conditioning (HVAC) and refrigeration systems
- Seven facilities in Kansas, providing residential and commercial HVAC and refrigeration
- Installed energy-efficient building upgrades to the Fort Scott public school district, resulting in $70,000 in annual savings

BLACK & VEATCH: Corporate Headquarters in Kansas City

- Thousands of clients globally tap the company's power generation and lower carbon expertise to plan, design, and build energy projects
- Has 245 MW of green hydrogen projects completed or under construction worldwide
- Installed a microgrid at the University of Kansas composed of a 58-kilowatt solar system with a 30-kilowatt/hour battery storage system to improve resiliency

DODGE CITY, KS: Warrior Project Biogas Plant

- Municipal biogas facility captures and treats biogas from wastewater produced by a new industrial facility in town
- The facility processes 825 million cubic feet of biogas annually with CO2 emissions reductions amounting to 36,000 metric tons
- The biogas plant earns $4 million in revenue annually, or $430 per household

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The Business Council for Sustainable Energy (BCSE) is a coalition of companies and trade associations that deploy clean energy and decarbonization solutions, with a sector focus on energy efficiency, natural gas, and renewable energy. Members include investor-owned utilities, public power, independent power producers, project developers, technology providers, equipment manufacturers, environmental and energy market service companies, and more.

BCSE collaborates frequently with its small business division, the Clean Energy Business Network (CEBN), which encompasses a network of more than 8,000 cleantech business and community leaders across all 50 states. Collectively, BCSE and CEBN mobilize the full breadth of the clean energy economy, from innovators and small businesses to industry leaders and the trade associations that represent them.

Citations

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