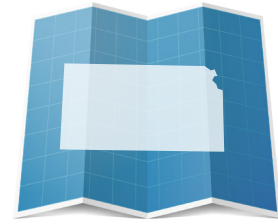


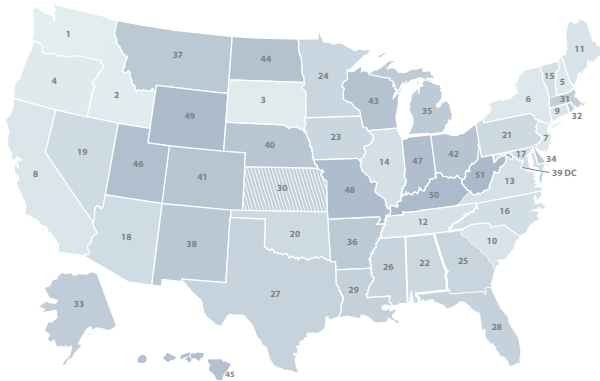
HOW DOES KANSAS STACK UP ON CLEAN ENERGY?



DATA AS OF 2021

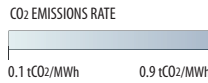


LOWEST CO₂ EMISSIONS RATE

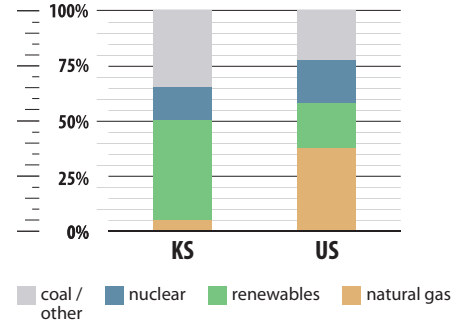


#30

0.40 tCO₂/MWh



ELECTRICITY SOURCES



CLEAN ENERGY JOBS

#33

29,288 (2021)



Growth/recovery since 2020 totaled 638 jobs (2.2%).



CLEAN ENERGY RANKINGS

#47

ENERGY EFFICIENCY SCORE = 7



#44

5% GENERATION FROM NATURAL GAS



#9

45% GENERATION FROM RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

#6

1,226 MW (2021)

NEW BUILD



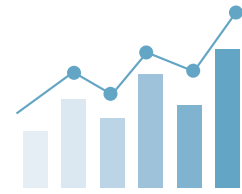
#9

8,556 MW

CUMULATIVE



ENERGY INNOVATION IN A 21ST CENTURY ECONOMY



WHAT ENERGY INNOVATION MEANS FOR KANSAS



\$22.9 MILLION Total Department of Energy funding in FY21

\$9.5 MILLION Office of Energy Efficiency and Renewable Energy Grants in FY21

\$5.5 MILLION Office of Science grants in FY21

\$2.6 MILLION Advanced Research Projects Agency-Energy grants since FY2009

15 AWARDS DOE Small Business Innovation Research (SBIR) since 2012

IMPACTS OF FEDERAL R&D IN ENERGY SECTOR (TOTAL, 2018)

#37 160 JOBS SUPPORTED

#37 \$15 MILLION CONTRIBUTED TO GDP

BUSINESS SPOTLIGHT

HYPERBOREAN (WICHITA, KS) | ColdFromHeat.com



HyperBorean develops and continuously improves upon its technology that uses waste heat to power refrigeration and air-conditioning loops. Using concentrated solar as the heat source, the company provides daytime supplemental cooling for equipment shelters. Its hardware cuts energy consumption at these sites, adding resiliency to grid downtime events, and increasing the life of existing equipment. HyperBorean was recently awarded an SBIR grant through the Department of Defense.