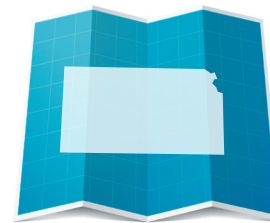


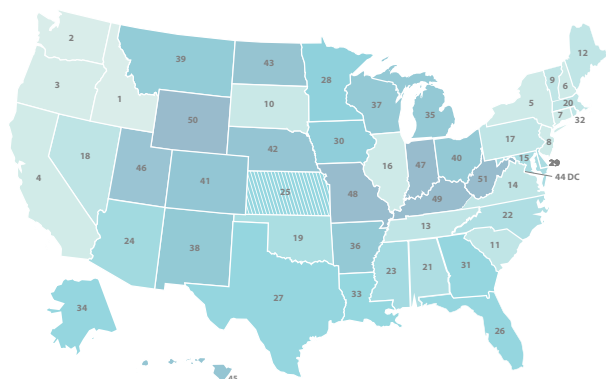
HOW DOES KANSAS STACK UP ON CLEAN ENERGY?



DATA AS OF 2019



LOWEST CO₂ EMISSIONS RATE

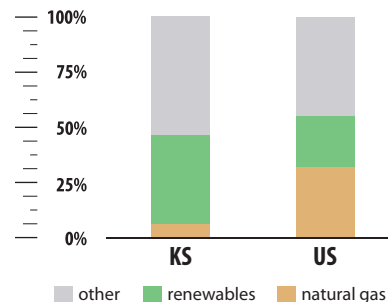


#25

0.41 tCO₂/MWh



ELECTRICITY SOURCES



CLEAN ENERGY JOBS

#33

32,299 (2019)



COVID-19 job losses totaled at least 2,843 March-August 2020 (cumulative).



CLEAN ENERGY RANKINGS

#46

ENERGY EFFICIENCY SCORE = 7



#44

7% GENERATION FROM NATURAL GAS



#11

39% GENERATION FROM RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

#4

982 MW (2019)

NEW BUILD



#9

6,607 MW

CUMULATIVE



ENERGY INNOVATION IN A 21ST CENTURY ECONOMY



WHAT ENERGY INNOVATION MEANS FOR KANSAS



\$5.7 MILLION Office of Energy Efficiency and Renewable Energy Grants in FY19

\$7 MILLION Office of Science grants in FY19

\$5.4 MILLION State and Indian energy programs, environmental cleanup, and other routine activities in FY19

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

2 GRANTS By ARPA-E since 2009

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

#37 160 JOBS SUPPORTED

#37 \$15 MILLION CONTRIBUTED TO GDP

BUSINESS SPOTLIGHT

POWERS AND ZAHR (AUGUSTA, KS) | <http://Powers-Zahr.com>

POWERSZAHR

Powers and Zahr is a technology researcher and solutions developer that strives to integrate advanced technology solutions for customers' needs. With support from the Department of Energy's Small Business Technology Transfer program, Powers and Zahr has developed smart sensor technology, advanced electronics miniaturization, and extreme thermal management.