HOW DOES KANSAS STACK UP ON CLEAN ENERGY?

**CO2 EMISSIONS RATE**

- **Lowest CO2 Emissions Rate**
- 0.41 tCO2/MWh

**ELECTRICITY SOURCES**

- #25
- 0.41 tCO2/MWh

**CLEAN ENERGY JOBS**

- #33
- 32,299 (2019)

**CLEAN ENERGY RANKINGS**

- #46
- Energy Efficiency Score = 7
- 7% Generation from Natural Gas
- #44
- #11
- 39% Generation from Renewables

**RENEWABLE ELECTRICITY CAPACITY**

- #4
- 982 MW (2019)
- #9
- 6,607 MW

**DATA:** Color shading on all infographics indicates percentile among 50 U.S. states and the District of Columbia. Clean energy industries included are energy efficiency, renewable energy, natural gas, storage, and advanced grid technologies. Sources: Bloomberg New Energy Finance, BW Research, Energy Information Administration, and American Council for an Energy-Efficient Economy. COVID-19 2020 job loss calculations by BW Research do not include natural gas sector and do include additional data on clean vehicles, so are not perfectly analogous with 2019 job data.
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
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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.

SOURCES: BIPARTISAN POLICY CENTER, USASPPENDING.GOV, ARPA-E, BREAKTHROUGH ENERGY