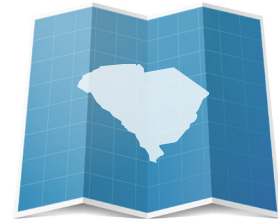


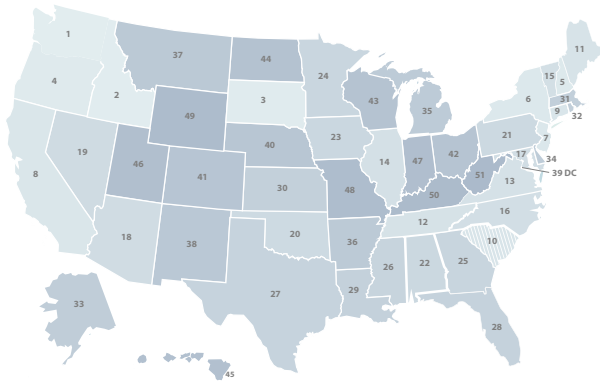
HOW DOES SOUTH CAROLINA STACK UP ON CLEAN ENERGY?



DATA AS OF 2021



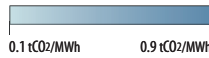
LOWEST CO₂ EMISSIONS RATE



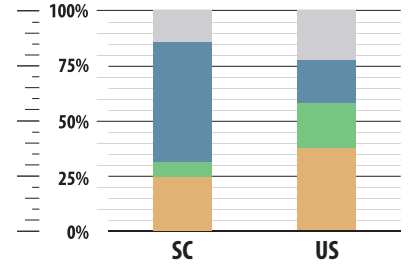
#10

0.26 tCO₂/MWh

CO₂ EMISSIONS RATE



ELECTRICITY SOURCES



coal / other nuclear renewables natural gas



CLEAN ENERGY JOBS

#25

49,807 (2021)



Growth/recovery since 2020 totaled 597 jobs (1.2%).



CLEAN ENERGY RANKINGS

#40

ENERGY EFFICIENCY SCORE = 11



#32

25% GENERATION FROM NATURAL GAS



#40

7% GENERATION FROM RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

#34

37 MW (2021)

NEW BUILD



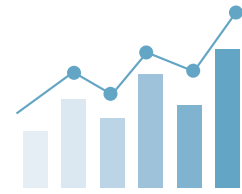
#29

3,560 MW

CUMULATIVE



ENERGY INNOVATION IN A 21ST CENTURY ECONOMY



WHAT ENERGY INNOVATION MEANS FOR SOUTH CAROLINA



\$38.7 MILLION Total Department of Energy funding in FY21

\$15.9 MILLION Office of Energy Efficiency and Renewable Energy Grants in FY21

\$5.3 MILLION Office of Science grants in FY21

\$16.1 MILLION Advanced Research Projects Agency-Energy grants since FY2009

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

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

#15 1,180 JOBS SUPPORTED

#17 \$104 MILLION CONTRIBUTED TO GDP

BUSINESS SPOTLIGHT

ADVENT INNOVATIONS LTD.CO. (IRMO, SC) | <https://AdventInnous.com>



Advent Innovations Ltd. Co. is a woman-owned business funded by both the Department of Energy and NASA for its research and development in energy, advanced materials, additive manufacturing, and controls. and structural modeling. With support from the Department of Energy, the firm's work has provided energy solutions such as catalysts for Fuel Cell, harvesting energies from ambient vibration, acoustics controls, and ambient heat and biological processes.