

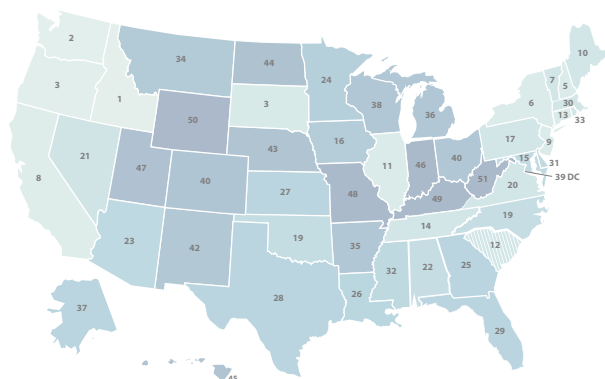
HOW DOES SOUTH CAROLINA STACK UP ON CLEAN ENERGY?



DATA AS OF 2020

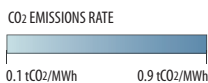


LOWEST CO₂ EMISSIONS RATE

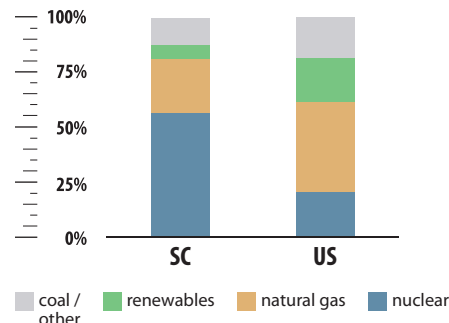


#12

0.24 tCO₂/MWh



ELECTRICITY SOURCES



CLEAN ENERGY JOBS

#25

49,210 (2020)



COVID-19 job losses totaled at least 7,316 March-December 2020 (cumulative).



CLEAN ENERGY RANKINGS

#40

ENERGY EFFICIENCY SCORE = 11



#32

25% GENERATION FROM NATURAL GAS



#41

7% GENERATION FROM RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

#24

518 MW (2020)

NEW BUILD



#27

3,453 MW

CUMULATIVE



ENERGY INNOVATION IN A 21ST CENTURY ECONOMY



WHAT ENERGY INNOVATION MEANS FOR SOUTH CAROLINA



\$12 MILLION Office of Energy Efficiency and Renewable Energy Grants in FY20

\$8.2 MILLION Office of Science grants in FY20

\$2.67 BILLION State and Indian energy programs, environmental cleanup, and other routine activities in FY20

\$15.5 MILLION Advanced Research Projects Agency-Energy grants since FY2009

5 GRANTS By ARPA-E since 2009

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.