

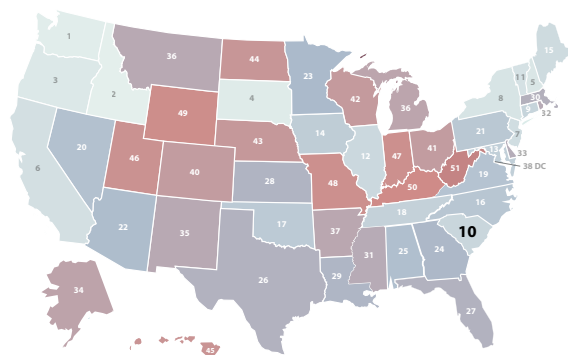
HOW DOES SOUTH CAROLINA STACK UP ON CLEAN ENERGY?



DATA AS OF 2022



LOWEST CO₂ EMISSIONS RATE

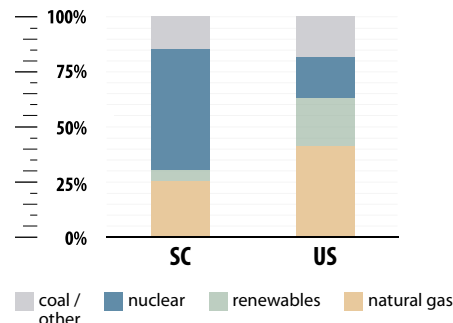


#10

0.26 tCO₂/MWh



ELECTRICITY SOURCES



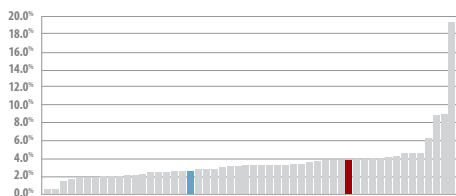
CLEAN ENERGY JOBS

Clean Energy Job Growth (2021-2022)

#24

65,711 (2022)

14,647 JOBS ANNOUNCED THROUGH NEW CLEAN ENERGY PROJECTS SINCE THE INFLATION REDUCTION ACT



All states and U.S. total ranked from lowest to highest % job growth



CLEAN ENERGY RANKINGS

#49

ENERGY EFFICIENCY SCORE = 3



#35

25% GENERATION FROM NATURAL GAS



#42

7% GENERATION FROM RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

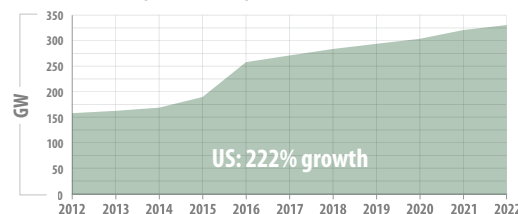
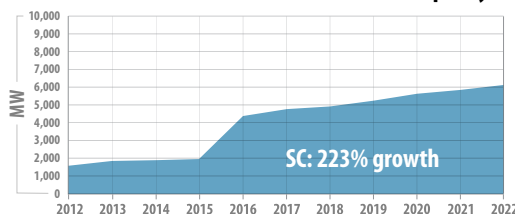
#18

CUMULATIVE BUILD 6,100 MW

#23

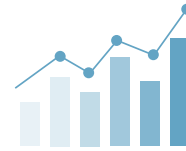
NEW BUILD (2022) 130 MW

Growth in Capacity Over the Past Decade (2012-2022)



SOURCES: BloombergNEF, U.S. Energy & Employment Report (Department of Energy), Energy Information Administration, American Council for an Energy-Efficiency Economy (ACEEE), Climate Power. All data are as of 2022, except jobs since passage of Inflation Reduction Act (8.15.22-9.30.23). Clean energy jobs include renewable, grid, storage, transmission and distribution, nuclear, and advanced vehicle technologies. Renewable energy capacity data include solar, wind, biomass/waste, geothermal, hydropower. See complete methodology at [CEBN.org/State-of-Clean-Energy](https://cebn.org/State-of-Clean-Energy).

INVESTING IN CLEAN ENERGY INNOVATION AND DEPLOYMENT



WHAT ENERGY INNOVATION MEANS FOR SOUTH CAROLINA



\$216.9 MILLION Total Department of Energy funding in FY22

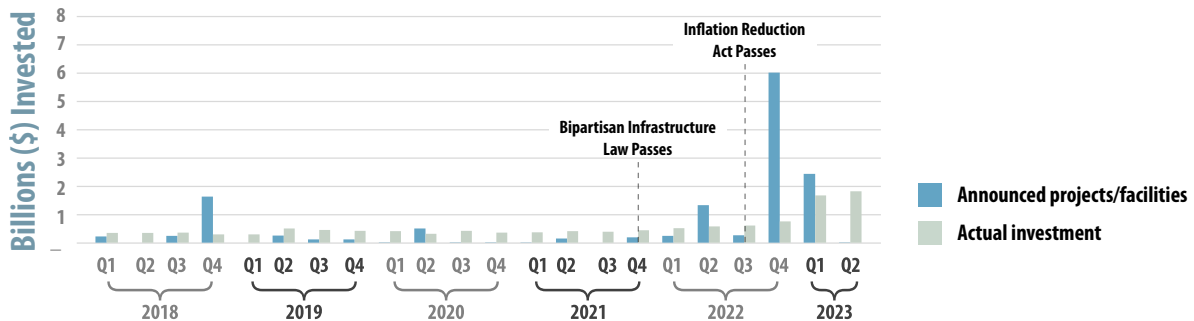
\$69 MILLION Office of Energy Efficiency and Renewable Energy grants in FY22

\$25.7 MILLION Advanced Research Projects Agency-Energy grants in FY22

\$45.1 MILLION Office of Science grants in FY22

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

CLEAN ENERGY INVESTMENT



BUSINESS SPOTLIGHT

ADVENT INNOVATIONS LTD. CO. (IRMO, SC) | www.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, 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.

SOURCES: Bipartisan Policy Center, USASpending.gov, Clean Investment Monitor from Rhodium Group and MIT's Center for Energy and Environmental Policy Research. View complete methodology at CEBN.org/State-of-Clean-Energy.