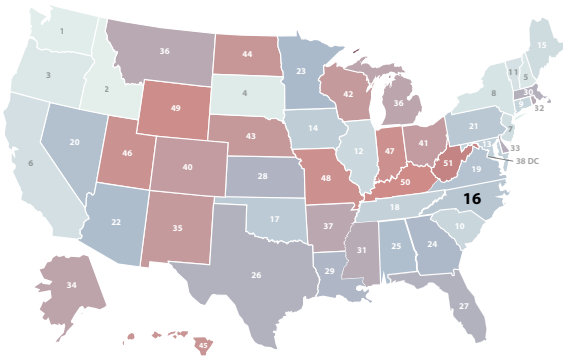
HOW DOES NORTH CAROLINA STACK UP ON CLEAN ENERGY?

DATA AS OF 2022

LOWEST CO_2 EMISSIONS RATE

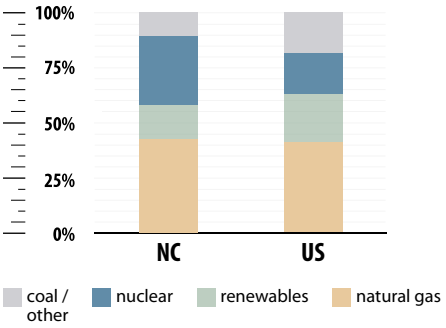


#16

0.31 tCO_2/MWh

0.09 tCO_2/MWh — 0.9 tCO_2/MWh

ELECTRICITY SOURCES



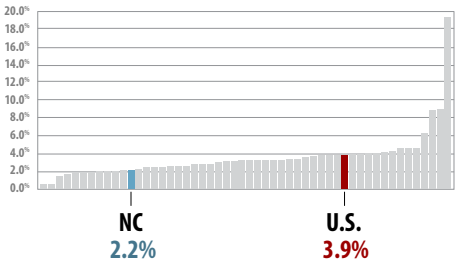
CLEAN ENERGY JOBS

#10

123,369 (2022)

4,768 JOBS ANNOUNCED THROUGH NEW CLEAN ENERGY PROJECTS SINCE THE INFLATION REDUCTION ACT

Clean Energy Job Growth (2021-2022)



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

CLEAN ENERGY RANKINGS

#25
ENERGY EFFICIENCY SCORE = 14.5

#20
43% GENERATION FROM NATURAL GAS

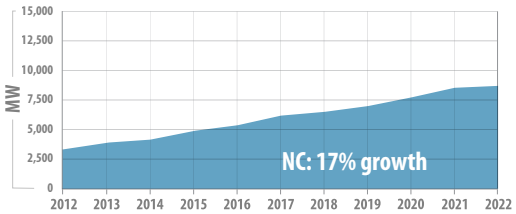
#27
14% GENERATION FROM RENEWABLES

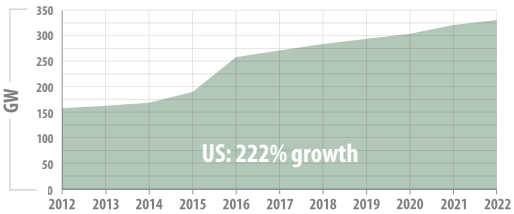
RENEWABLE ELECTRICITY CAPACITY

#8
CUMULATIVE BUILD
8,611 MW

#17
NEW BUILD (2022)
218 MW

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





CLEAN ENERGY BUSINESS NETWORK

The Business Council for Sustainable Energy®

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.

INVESTING IN CLEAN ENERGY INNOVATION AND DEPLOYMENT

WHAT ENERGY INNOVATION MEANS FOR NORTH CAROLINA

$580.4 MILLION Total Department of Energy funding in FY22

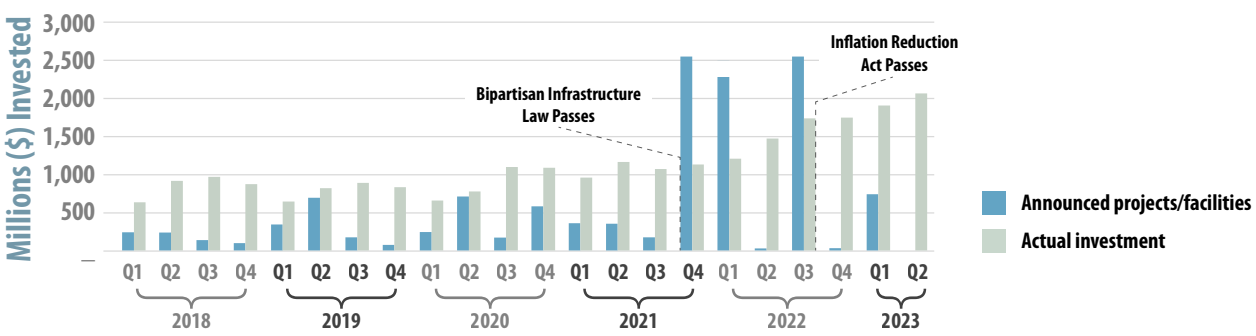
$256 MILLION Office of Energy Efficiency and Renewable Energy grants in FY22

$108.7 MILLION Advanced Research Projects Agency-Energy grants in FY22

$222.2 MILLION Office of Science grants in FY22

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

CLEAN ENERGY INVESTMENT



BUSINESS SPOTLIGHT

SUSTEON TECHNOLOGIES (DURHAM, NC) | www.Susteon.com

With support from the Department of Energy's Small Business Innovation Research (SBIR) program, Susteon has developed decarbonization solutions for a variety of energy technologies, including CO2 removal, capture, and utilization, and carbon-free hydrogen production. Susteon has spun out a startup company, Sustaera, to develop and deploy a novel direct air capture technology for CO2 removal.

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.