

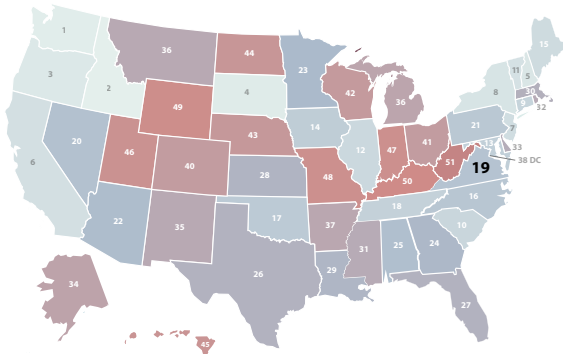
HOW DOES VIRGINIA STACK UP ON CLEAN ENERGY?



DATA AS OF 2022

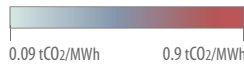


LOWEST CO₂ EMISSIONS RATE

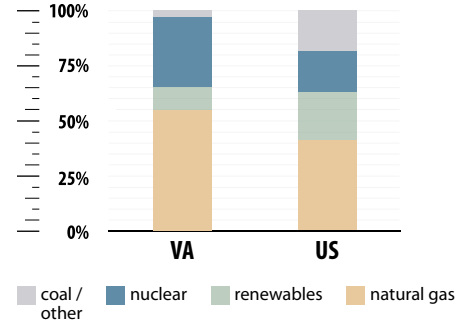


#19

0.31 tCO₂/MWh



ELECTRICITY SOURCES



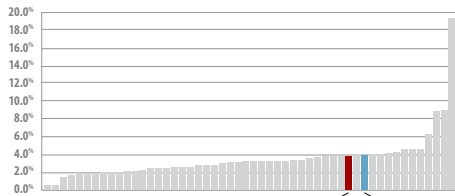
CLEAN ENERGY JOBS

Clean Energy Job Growth (2021-2022)

#11

113,565 (2022)

563 JOBS ANNOUNCED THROUGH NEW CLEAN ENERGY PROJECTS SINCE THE INFLATION REDUCTION ACT



U.S. 3.9%
VA 4.0%

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



CLEAN ENERGY RANKINGS

#20

ENERGY EFFICIENCY SCORE = 19.5



#9

55% GENERATION FROM NATURAL GAS



#36

10% GENERATION FROM RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

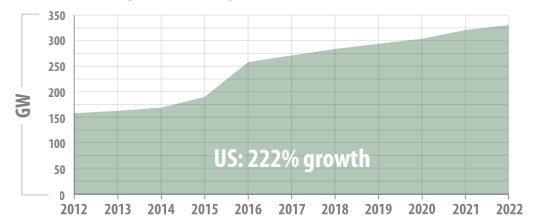
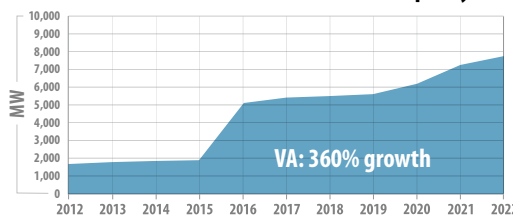
Growth in Capacity Over the Past Decade (2012-2022)

#12

CUMULATIVE BUILD 7,712 MW

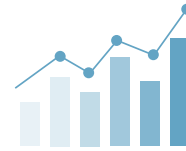
#6

NEW BUILD (2022) 646 MW



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 VIRGINIA



\$523.2 MILLION Total Department of Energy funding in FY22

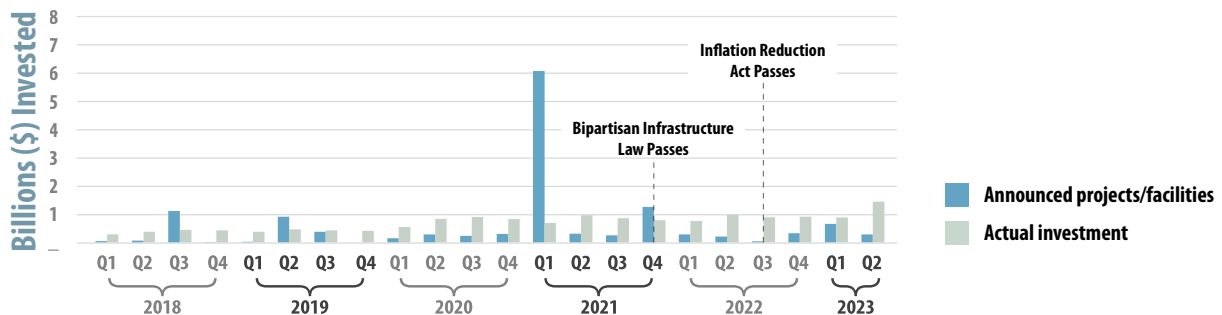
\$120.6 MILLION Office of Energy Efficiency and Renewable Energy grants in FY22

\$66.5 MILLION Advanced Research Projects Agency-Energy grants in FY22

\$192.5 MILLION Office of Science grants in FY22

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

CLEAN ENERGY INVESTMENT



BUSINESS SPOTLIGHT

FEND INCORPORATED (ARLINGTON, VA) | www.Fend.tech



Fend protects energy infrastructure and industrial control systems from cyberattack using hardware that provides real-time information to operators while providing no physical way for hackers to breach a system. Fend has received funding from the Department of Energy's Solar Energy Technologies Office on a project to transition this technology into the energy market.

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.