

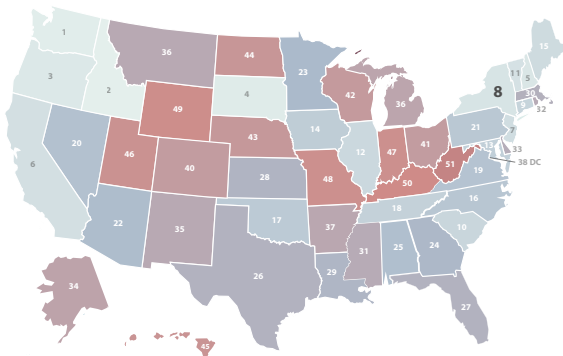
# HOW DOES NEW YORK STACK UP ON CLEAN ENERGY?



DATA AS OF 2022

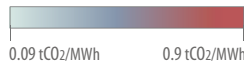


## LOWEST CO<sub>2</sub> EMISSIONS RATE

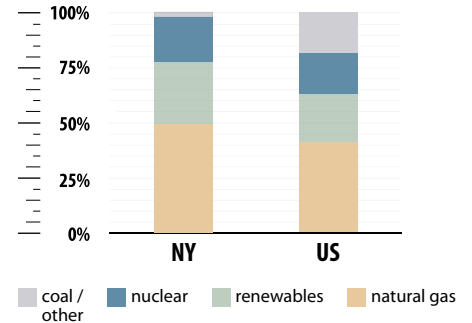


# #8

0.23 tCO<sub>2</sub>/MWh



## ELECTRICITY SOURCES



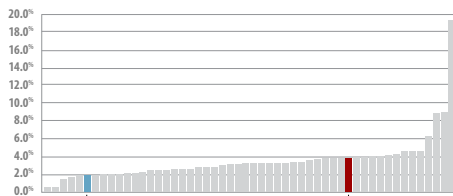
## CLEAN ENERGY JOBS

# #3

230,119 (2022)

15,505 JOBS ANNOUNCED THROUGH NEW CLEAN ENERGY PROJECTS SINCE THE INFLATION REDUCTION ACT

### Clean Energy Job Growth (2021-2022)



NY  
2.0%

U.S.  
3.9%

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



## CLEAN ENERGY RANKINGS

# #3

ENERGY EFFICIENCY SCORE = 39



# #15

48% GENERATION FROM NATURAL GAS



# #20

29% GENERATION FROM RENEWABLES



## RENEWABLE ELECTRICITY CAPACITY

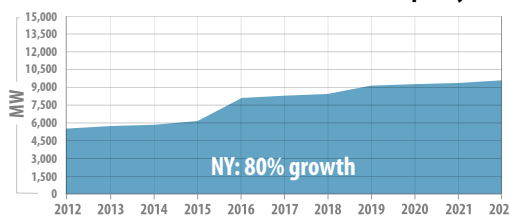
# #7

CUMULATIVE BUILD  
9,771 MW

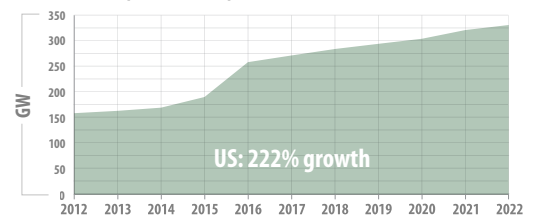
# #19

NEW BUILD (2022)  
191 MW

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



NY: 80% growth

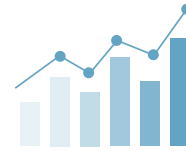


US: 222% growth



**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 NEW YORK



**\$1.7 BILLION** Total Department of Energy funding in FY22

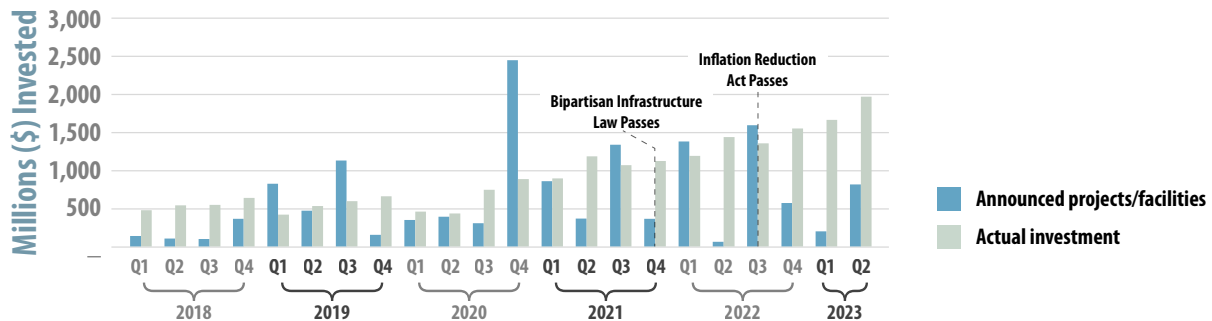
**\$424.9 MILLION** Office of Energy Efficiency and Renewable Energy grants in FY22

**\$261.7 MILLION** Advanced Research Projects Agency-Energy grants in FY22

**\$499.6 MILLION** Office of Science grants in FY22

**328 AWARDS** DOE Small Business Innovation Research (SBIR) since 2012

## CLEAN ENERGY INVESTMENT



## BUSINESS SPOTLIGHT

**BETTERGY (PEEKSKILL, NY) | [www.Bettergy.com](http://www.Bettergy.com)**



Bettergy develops innovative energy and environmental technologies, including advanced battery technologies for energy storage and nanopore engineered membrane technologies for gas separation and energy storage. The company has received two ARPA-E awards and several other Department of Energy grants totaling more than \$8.0 million. Bettergy's ARPA-E and DOE-funded technologies under development include a low-cost, low-temperature ammonia cracking system for refueling stations and other applications that makes it possible for hydrogen to be safely and cost-effectively generated on-site, a membrane reactor system for carbon capture, and a membrane system for the recovery of lithium and other valuable minerals from brines and industrial wastewater.

**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](http://CEBN.org/State-of-Clean-Energy).