

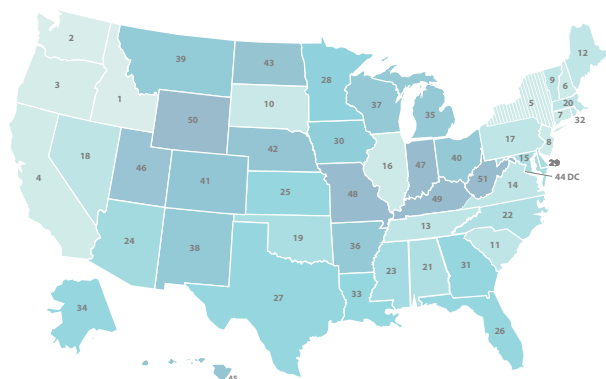
# HOW DOES NEW YORK STACK UP ON CLEAN ENERGY?



DATA AS OF 2019

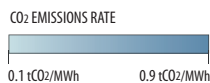


## LOWEST CO<sub>2</sub> EMISSIONS RATE

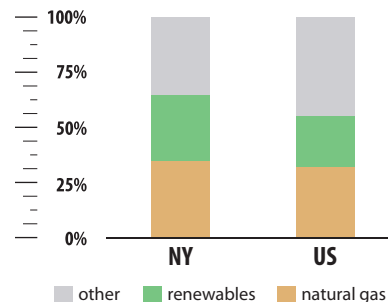


# #5

0.19 tCO<sub>2</sub>/MWh



## ELECTRICITY SOURCES



## CLEAN ENERGY JOBS

# #4

166,222 (2019)



COVID-19 job losses totaled at least 15,674 March-August 2020 (cumulative).



## CLEAN ENERGY RANKINGS

# #5

ENERGY EFFICIENCY SCORE = 37



# #21

38% GENERATION FROM NATURAL GAS



# #15

28% GENERATION FROM RENEWABLES



## RENEWABLE ELECTRICITY CAPACITY

# #21

183 MW (2019)

NEW BUILD



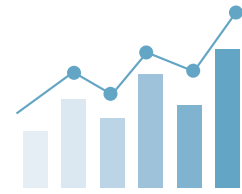
# #7

9,062 MW

CUMULATIVE



# ENERGY INNOVATION IN A 21<sup>ST</sup> CENTURY ECONOMY



## WHAT ENERGY INNOVATION MEANS FOR NEW YORK



**\$55.6 MILLION** Office of Energy Efficiency and Renewable Energy Grants in FY19

**\$75.6 MILLION** Office of Science grants in FY19

**\$1.5 BILLION** State and Indian energy programs, environmental cleanup, and other routine activities in FY19

**\$77.3 MILLION** Advanced Research Projects Agency-Energy grants since FY2009

**41 GRANTS** By ARPA-E since 2009

## IMPACTS OF FEDERAL R&D IN ENERGY SECTOR (TOTAL, 2018)

**#4 6,670 JOBS SUPPORTED**

**#4 \$940 MILLION CONTRIBUTED TO GDP**

## 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 \$4.5 million, which are supporting the development of a low-cost, carbon-neutral hydrogen refueling station technology and a membrane reactor system for carbon capture.