

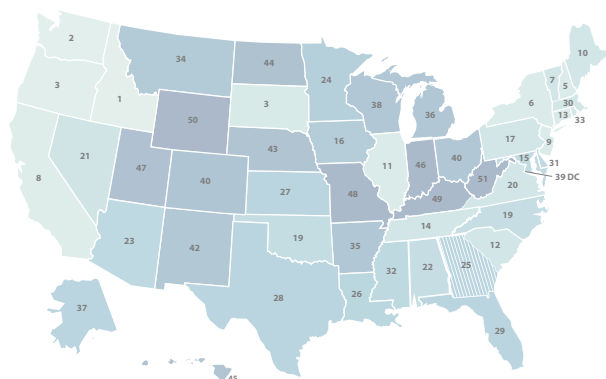
# HOW DOES GEORGIA STACK UP ON CLEAN ENERGY?



DATA AS OF 2020

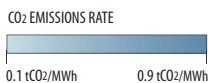


## LOWEST CO<sub>2</sub> EMISSIONS RATE

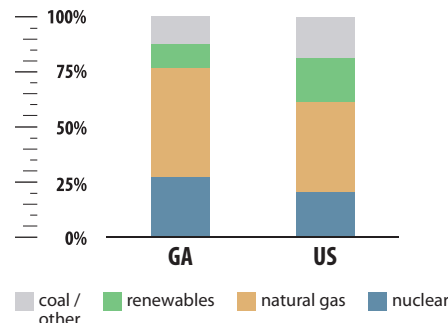


# #25

0.36 tCO<sub>2</sub>/MWh



## ELECTRICITY SOURCES



## CLEAN ENERGY JOBS

# #17



72,228 (2020)

COVID-19 job losses totaled at least 26,155 March-December 2020 (cumulative).



## CLEAN ENERGY RANKINGS

# #42

ENERGY EFFICIENCY SCORE = 10



# #15

49% GENERATION FROM NATURAL GAS



# #31

11% GENERATION FROM RENEWABLES



## RENEWABLE ELECTRICITY CAPACITY

# #17

NEW BUILD



830 MW (2020)

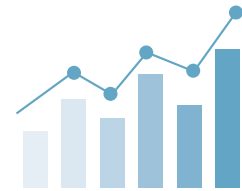
# #15

CUMULATIVE



5,886 MW

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



## WHAT ENERGY INNOVATION MEANS FOR GEORGIA



**\$12.6 MILLION** Office of Energy Efficiency and Renewable Energy Grants in FY20

**\$17.2 MILLION** Office of Science grants in FY20

**\$89.7 MILLION** State and Indian energy programs, environmental cleanup, and other routine activities in FY20

**\$40.9 MILLION** Advanced Research Projects Agency-Energy grants since FY2009

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

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

**#20** **590** JOBS SUPPORTED

**#21** **\$61** MILLION CONTRIBUTED TO GDP

## BUSINESS SPOTLIGHT

PETROLERN (BROOKHAVEN, GA) | [www.PetroLern.com](http://www.PetroLern.com)



PetroLern is a research and consulting company in subsurface engineering and geosciences focused mainly on developing advanced technologies for geothermal energy extraction and carbon capture and storage. PetroLern's mission is to apply the knowledge and learnings from the oil and gas industry to facilitate movement toward new clean energy sources. The firm has received three grants from the Department of Energy to develop new technologies for CO<sub>2</sub> storage.