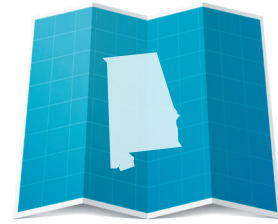# HOW DOES ALABAMA STACK UP ON CLEAN ENERGY?

DATA AS OF 2019
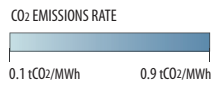
LOWEST CO₂ EMISSIONS RATE

#21

0.36 tCO₂/MWh

CO₂ EMISSIONS RATE
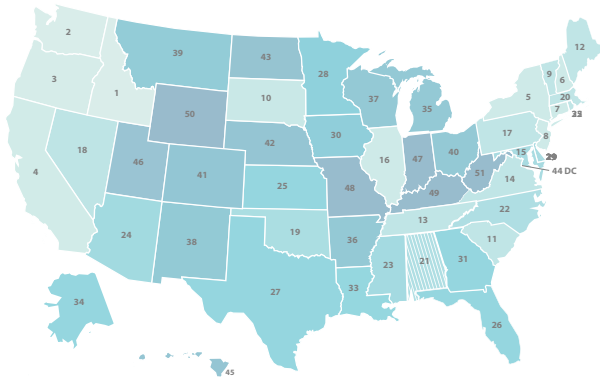
0.1 tCO2/MWh — 0.9 tCO2/MWh

ELECTRICITY SOURCES

100%
75%
50%
25%
0%

AL   US

other   renewables   natural gas
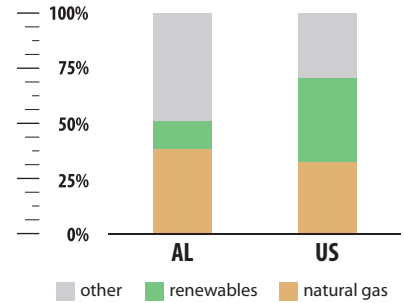
CLEAN ENERGY JOBS

#27

50,620 (2019)

COVID-19 job losses totaled at least 7,726 March-August 2020 (cumulative).

CLEAN ENERGY RANKINGS

#43
ENERGY EFFICIENCY SCORE = 9.5

#17
41% GENERATION FROM NATURAL GAS

#31
10% GENERATION FROM RENEWABLES

RENEWABLE ELECTRICITY CAPACITY

#36
NEW BUILD

29 MW (2019)

#15
CUMULATIVE

4,401 MW

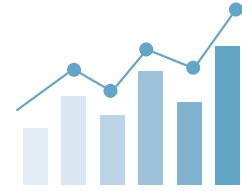CLEAN ENERGY BUSINESS NETWORK®

The Business Council For Sustainable Energy

ENERGY INNOVATION
IN A 21ST CENTURY ECONOMY

WHAT ENERGY INNOVATION MEANS FOR ALABAMA

$7.8 MILLION Office of Energy Efficiency and Renewable Energy Grants in FY19

$8.1 MILLION Office of Science grants in FY19

$74.7 MILLION State and Indian energy programs, environmental cleanup, and other routine activities in FY19

$2.2 MILLION Advanced Research Projects Agency-Energy grants since FY2009

2 GRANTS By ARPA-E since 2009

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

#31 330 **JOBS SUPPORTED**

#31 $31 **MILLION CONTRIBUTED TO GDP**

BUSINESS SPOTLIGHT

SUNERGOLAB (Huntsville, AL) | www.Sunergolab.com

With support from $450,000 in grants from the Department of Energy, Sunergolab, Inc. is developing an innovative virtual testing tool for barrier coatings for fuel-efficient and low-emission turbine engines operating at high temperatures. The technology is particularly useful in improving the efficiency of aircraft, which are the largest source of carbon dioxide emissions within the transportation sector.