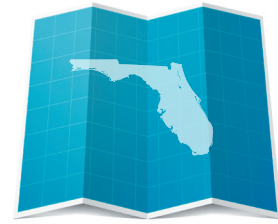


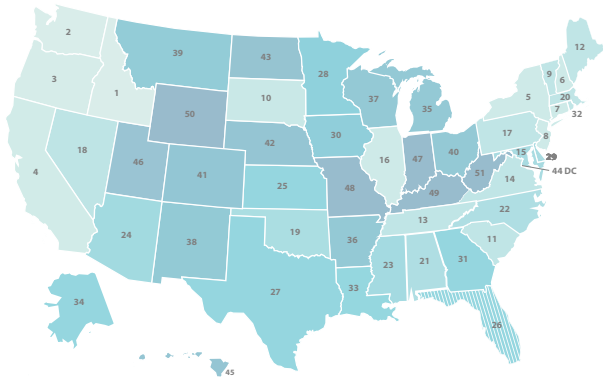
HOW DOES FLORIDA STACK UP ON CLEAN ENERGY?



DATA AS OF 2019

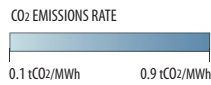


LOWEST CO₂ EMISSIONS RATE

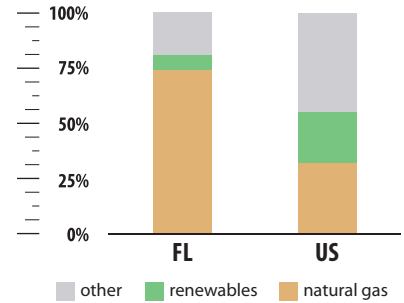


#26

0.41 tCO₂/MWh



ELECTRICITY SOURCES



CLEAN ENERGY JOBS

#3

178,004 (2019)



COVID-19 job losses totaled at least 25,650 March-August 2020 (cumulative).



CLEAN ENERGY RANKINGS

#24

ENERGY EFFICIENCY SCORE = 16.5



#3

74% GENERATION FROM NATURAL GAS



#46

4% GENERATION FROM RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

#5

964 MW (2019)

NEW BUILD



#16

4,398 MW

CUMULATIVE



ENERGY INNOVATION IN A 21ST CENTURY ECONOMY



WHAT ENERGY INNOVATION MEANS FOR FLORIDA



\$10.1 MILLION Office of Energy Efficiency and Renewable Energy Grants in FY19

\$27.9 MILLION Office of Science grants in FY19

\$24 MILLION State and Indian energy programs, environmental cleanup, and other routine activities in FY19

\$34.7 MILLION Advanced Research Projects Agency-Energy grants since FY2009

12 GRANTS By ARPA-E since 2009

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

#27 **420** JOBS SUPPORTED

#27 **\$40** MILLION CONTRIBUTED TO GDP

BUSINESS SPOTLIGHT

DIOXIDE MATERIALS (BOCA RATON, FL) | <https://DioxideMaterials.com>



Dioxide Materials™
The CO₂ Recycling Company™

Thanks to an ARPA-E grant, Dioxide Materials is developing an alkaline water electrolyzer for an improved power-to-gas system. This technology has the potential to create greatly improved water electrolyzers, which could enable low-cost energy storage compatible with intermittent renewable energy storage.