

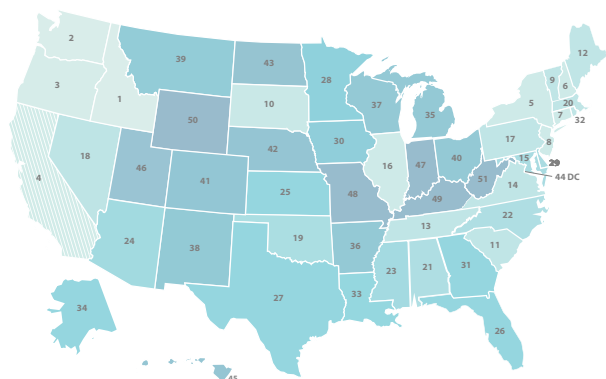
# HOW DOES CALIFORNIA STACK UP ON CLEAN ENERGY?



DATA AS OF 2019

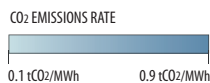


## LOWEST CO<sub>2</sub> EMISSIONS RATE

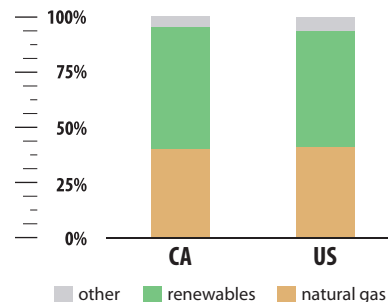


# #4

0.18 tCO<sub>2</sub>/MWh



## ELECTRICITY SOURCES



## CLEAN ENERGY JOBS

# #1

548,362 (2019)



COVID-19 job losses totaled at least 84,439 March-August 2020 (cumulative).



## CLEAN ENERGY RANKINGS

# #2

ENERGY EFFICIENCY SCORE = 43.5



# #19

39% GENERATION FROM NATURAL GAS



# #8

52% GENERATION FROM RENEWABLES



## RENEWABLE ELECTRICITY CAPACITY

# #3

1541 MW (2019)

NEW BUILD



# #1

45,005 MW

CUMULATIVE



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



## WHAT ENERGY INNOVATION MEANS FOR CALIFORNIA



**\$88.5 MILLION** Office of Energy Efficiency and Renewable Energy Grants in FY19

**\$288.5 MILLION** Office of Science grants in FY19

**\$3.4 MILLION** State and Indian energy programs, environmental cleanup, and other routine activities in FY19

**\$467.5 MILLION** Advanced Research Projects Agency-Energy grants since FY2009

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

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

**#1 23,520 JOBS SUPPORTED**

**#1 \$3.5 BILLION CONTRIBUTED TO GDP**

## BUSINESS SPOTLIGHT

CAPSTONE TURBINE CORPORATION (VAN NUYS, CA) | [www.CapstoneTurbine.com](http://www.CapstoneTurbine.com)



Capstone Turbine Corporation is a microturbine CHP manufacturer that has been awarded \$13M+ in Department of Energy funding to help develop its highly efficient and resilient combined heat and power (CHP) and microgrid solutions, which generate heat and electricity onsite from a single fuel source (usually natural gas).