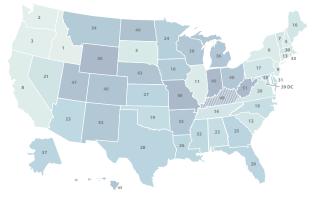
## HOW DOES KENTUCKY STACK UP ON CLEAN ENERGY?



DATA AS OF 2020





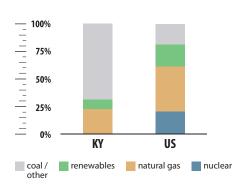
#49

0.80 tCO<sub>2</sub>/MWh

CO2 EMISSIONS RATE

0.1 ±CO2/MWh
0.9 ±CO2/MWh







### **CLEAN ENERGY JOBS**

#30

35,947 (2020)



COVID-19 job losses totaled at least 10,730 March-December 2020 (cumulative).



### **CLEAN ENERGY RANKINGS**

#33

ENERGY EFFICIENCY
SCORE = 14

#33

23% GENERATION FROM NATURAL GAS

#40

8% GENERATION FROM RENEWABLES







## 

#45

3 MW (2020) **NEW BUILD** 



#41

1,273 MW

**CUMULATIVE** 



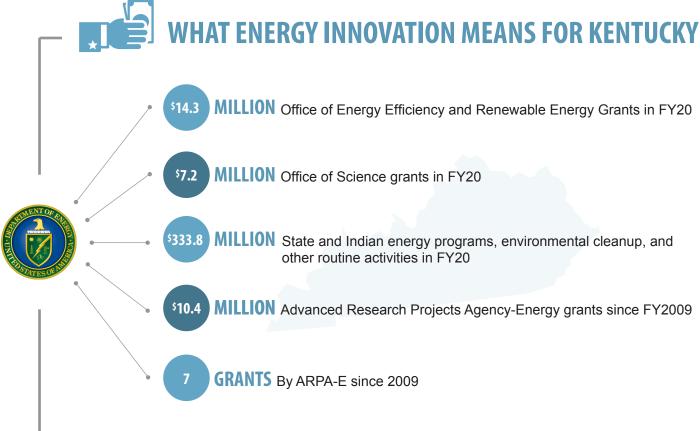




**DATA:** COLOR SHADING ON ALL INFOGRAPHICS INDICATES PERCENTILE AMONG 50 U.S. STATES AND THE DISTRICT OF COLUMBIA. CLEAN ENERGY INDUSTRIES INCLUDED ARE ENERGY EFFICIENCY, RENEWABLE ENERGY, NATURAL GAS, STORAGE, AND ADVANCED GRID TECHNOLOGIES. SOURCES: BLOOMBERG NEW ENERGY FINANCE, BW RESEARCH, ENERGY INFORMATION ADMINISTRATION, AND AMERICAN COUNCIL FOR AN ENERGY-EFFICIENT ECONOMY. COVID-19 2020 JOB LOSS CALCULATIONS BY BW RESEARCH DO NOT INCLUDE NATURAL GAS SECTOR AND DO INCLUDE ADDITIONAL DATA ON CLEAN VEHICLES, SO ARE NOT PERFECTLY ANALOGOUS WITH 2020 JOB DATA.

# ENERGY INNOVATION IN A 21st CENTURY ECONOMY





**#25** 470 JOBS SUPPORTED

7 40 MILLION CONTRIBUTED TO GDP

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

#### **BUSINESS SPOTLIGHT**

ADVANCED ENERGY MATERIALS, LLC (LOUISVILLE, KY) | AdvancedEnergyMat.com

Advanced Energy Materials, LLC (ADEM) was founded in 2009 with a vision to commercialize nanowire materials for lithium-ion batteries and energy storage applications. The company found its niche application in the catalysis market and started to develop catalyst products for hydrodesulfurization (HDS) and refinery applications. Since its inception, ADEM has received \$3.2 million in federal and state research and development funding and continues to develop advanced nanomaterials for a wide range of applications.