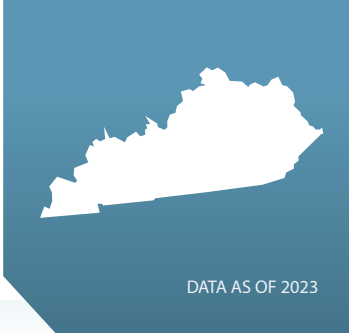
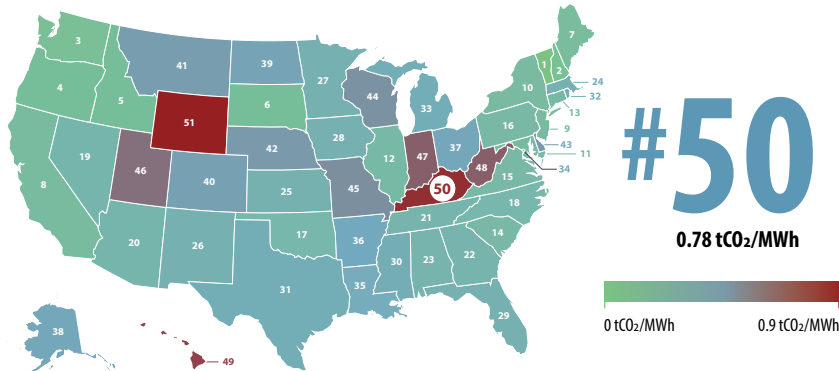


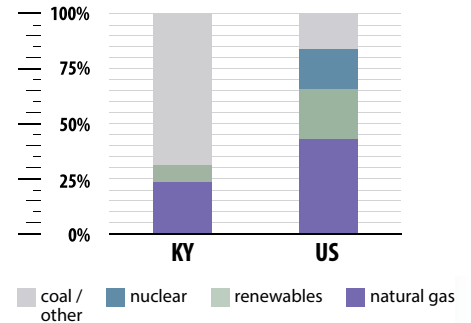
HOW DOES KENTUCKY STACK UP ON CLEAN ENERGY?



Lowest CO₂ Emissions Rate



Electricity Sources



Clean Energy Jobs

#30

49,797
Clean Energy
Jobs

Clean Energy Job Growth (2022-2023)



All states and U.S. total ranked from lowest to highest % job growth



Clean Energy Rankings

#38

ENERGY EFFICIENCY
SCORE = 7



#37

23% GENERATION
FROM NATURAL GAS



#40

8% GENERATION
FROM RENEWABLES



Renewable Electricity Capacity

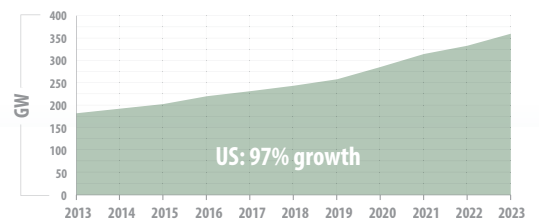
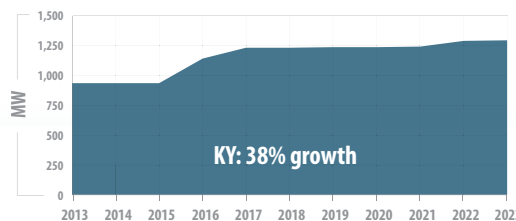
#44

NEW BUILD (2023)
4.5 MW

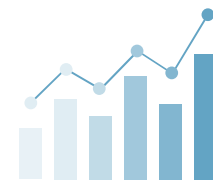
#40

CUMULATIVE BUILD
1,294 MW

Growth in Capacity Over the Past Decade (2013-2023)



INVESTING IN CLEAN ENERGY INNOVATION AND DEPLOYMENT



WHAT ENERGY INNOVATION MEANS FOR KENTUCKY



\$221 MILLION Total Department of Energy funding in FY23

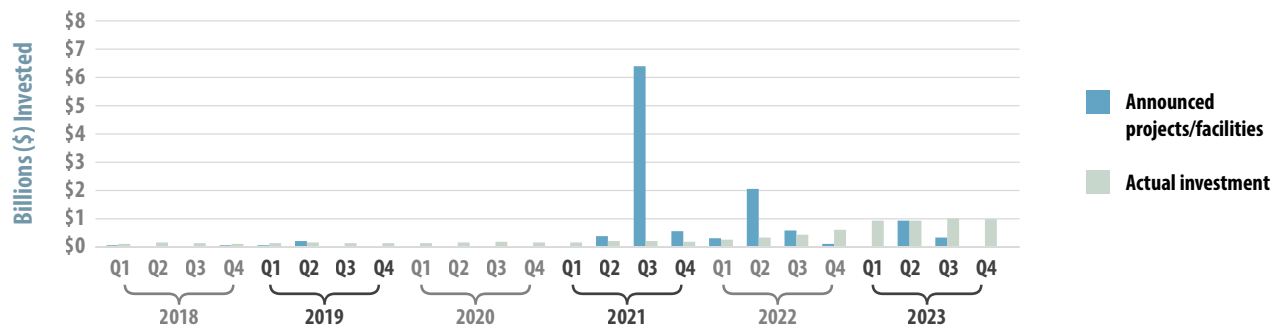
\$67 MILLION Office of Energy Efficiency and Renewable Energy grants in FY23

\$37.6 MILLION Office of Science grants in FY23

\$3.5 MILLION Advanced Research Projects Agency-Energy grants in FY23

60 AWARDS DOE Small Business Innovation Research (SBIR) since 2012

CLEAN ENERGY INVESTMENT



BUSINESS SPOTLIGHT

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



Advanced Energy Materials, LLC (ADEM) was started in 2009 with a goal to develop and supply nanowire-based catalyst and adsorbent products specifically for oil & gas refineries, carbon capture, hydrogenation and fuel cell applications. Since its inception, ADEM has received \$6.2 million in federal and state research and development funding and continues to develop advanced nanomaterials for a wide range of applications. ADEM's newest innovations are adsorbent and catalyst materials for CO2 capture and conversion to value-added chemicals like methanol.