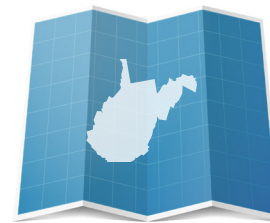


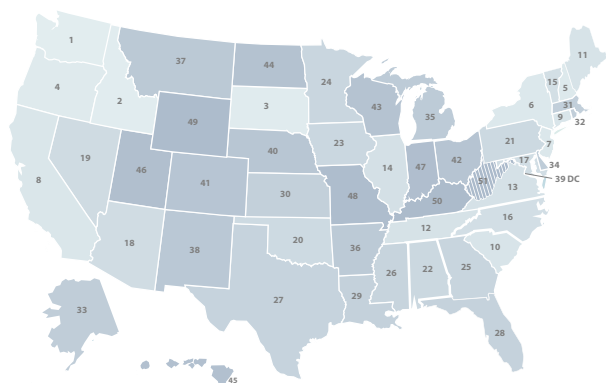
# HOW DOES WEST VIRGINIA STACK UP ON CLEAN ENERGY?



DATA AS OF 2021

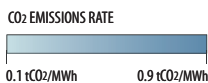


## LOWEST CO<sub>2</sub> EMISSIONS RATE

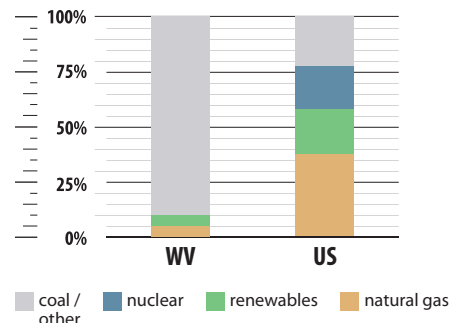


# #51

0.89 tCO<sub>2</sub>/MWh



## ELECTRICITY SOURCES



## CLEAN ENERGY JOBS

# #39



17,959 (2021)

Growth/recovery since 2020 totaled 686 jobs (4%).



## CLEAN ENERGY RANKINGS

# #48

ENERGY EFFICIENCY SCORE = 6



# #45

5% GENERATION FROM NATURAL GAS



# #44

5% GENERATION FROM RENEWABLES



## RENEWABLE ELECTRICITY CAPACITY

# #46

0 MW (2021)

### NEW BUILD



# #42

1,101 MW

### CUMULATIVE



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



## WHAT ENERGY INNOVATION MEANS FOR WEST VIRGINIA



**\$29.4 MILLION** Total Department of Energy funding in FY21

**\$15.6 MILLION** Office of Energy Efficiency and Renewable Energy Grants in FY21

**\$2.9 MILLION** Office of Science grants in FY21

**\$9.3 MILLION** Advanced Research Projects Agency-Energy grants since FY2009

**2 AWARDS** DOE Small Business Innovation Research (SBIR) since 2012

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

**#10** 2,890 JOBS SUPPORTED

**#11** \$268 MILLION CONTRIBUTED TO GDP

## BUSINESS SPOTLIGHT

TOUCHSTONE RESEARCH LABORATORY LTD (INC) (TRIADELPHIA, WV) | [TRL.com](http://TRL.com)



Touchstone Research Laboratory is a research and product development facility that has developed a range of lightweight, strong foam and metal alloy products with extensive defense and energy applications. Much of the laboratory's early research was supported by the Department of Energy, NASA, Department of Defense, and National Science Foundation. Today, Touchstone is a major defense contractor with several spin-off businesses.