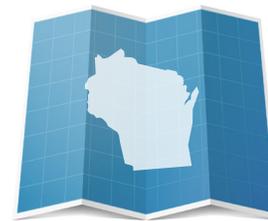


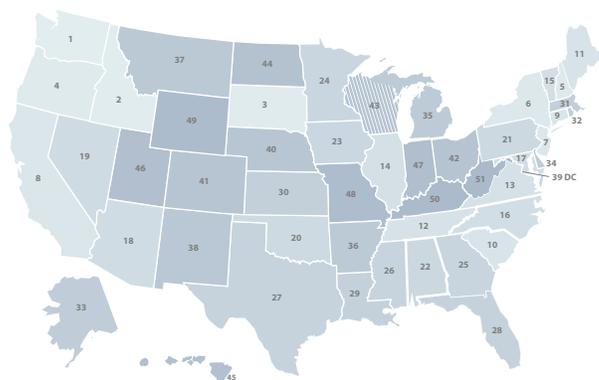
# HOW DOES WISCONSIN STACK UP ON CLEAN ENERGY?



DATA AS OF 2021

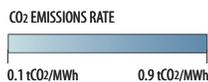


## LOWEST CO<sub>2</sub> EMISSIONS RATE

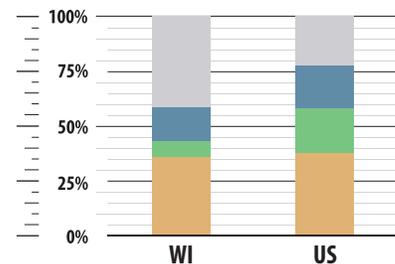


# #43

0.56 tCO<sub>2</sub>/MWh



## ELECTRICITY SOURCES



coal / other nuclear renewables natural gas



## CLEAN ENERGY JOBS

# #18

71,113 (2021)



Growth/recovery since 2020 totaled 667 jobs (0.9%).



## CLEAN ENERGY RANKINGS

# #26

ENERGY EFFICIENCY SCORE = 17



# #24

36% GENERATION FROM NATURAL GAS



# #38

8% GENERATION FROM RENEWABLES



## RENEWABLE ELECTRICITY CAPACITY

# #23

385 MW (2021)

### NEW BUILD



# #37

2,368 MW

### CUMULATIVE



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



## WHAT ENERGY INNOVATION MEANS FOR WISCONSIN



**\$120.4 MILLION** Total Department of Energy funding in FY21

**\$25.2 MILLION** Office of Energy Efficiency and Renewable Energy Grants in FY21

**\$47.1 MILLION** Office of Science grants in FY21

**\$45.4 MILLION** Advanced Research Projects Agency-Energy grants since FY2009

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

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

**#12** 1,690 JOBS SUPPORTED

**#12** \$163 MILLION CONTRIBUTED TO GDP

## BUSINESS SPOTLIGHT

VIRENT INC (MADISON, WI) | [www.Virent.com](http://www.Virent.com)



With support from the Department of Energy, Virent has developed novel solutions for converting a variety of bio-based sugar feedstocks into products molecularly identical to those made from petroleum. Virent's BioForming® technology is now at commercial scale, producing a range of biofuels and chemicals.