

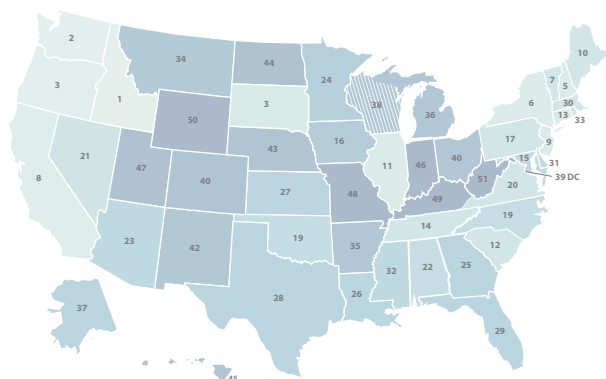
HOW DOES WISCONSIN STACK UP ON CLEAN ENERGY?



DATA AS OF 2020

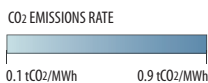


LOWEST CO₂ EMISSIONS RATE

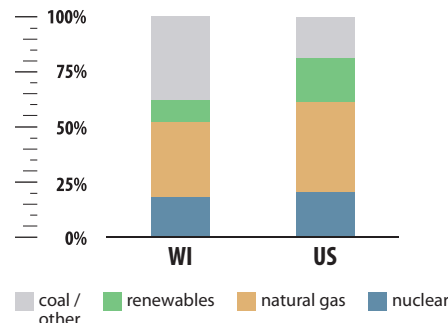


#38

0.53 tCO₂/MWh



ELECTRICITY SOURCES



CLEAN ENERGY JOBS

#18

70,446 (2020)



COVID-19 job losses totaled at least 7,733 March-December 2020 (cumulative).



CLEAN ENERGY RANKINGS

#26

ENERGY EFFICIENCY SCORE = 17



#25

35% GENERATION FROM NATURAL GAS



#34

10% GENERATION FROM RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

#27

214 MW (2020)

NEW BUILD



#38

1,977 MW

CUMULATIVE



ENERGY INNOVATION IN A 21ST CENTURY ECONOMY



WHAT ENERGY INNOVATION MEANS FOR WISCONSIN



\$38 MILLION Office of Energy Efficiency and Renewable Energy Grants in FY20

\$52.3 MILLION Office of Science grants in FY20

\$47 MILLION State and Indian energy programs, environmental cleanup, and other routine activities in FY20

\$39.8 MILLION Advanced Research Projects Agency-Energy grants since FY2009

17 GRANTS By ARPA-E since 2009

#12 1,690 **JOBS SUPPORTED**

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

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

BUSINESS SPOTLIGHT

VIRENT INC (MADISON, WI) | 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.