

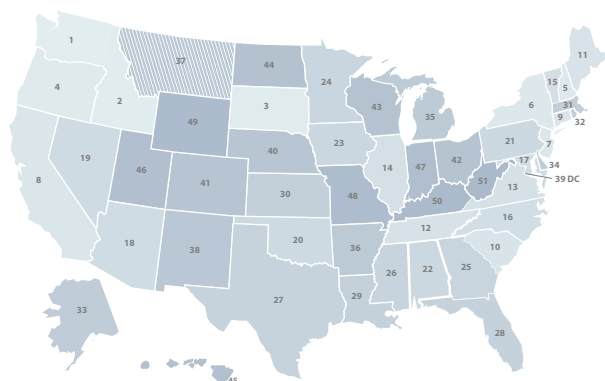
HOW DOES MONTANA STACK UP ON CLEAN ENERGY?



DATA AS OF 2021



LOWEST CO₂ EMISSIONS RATE



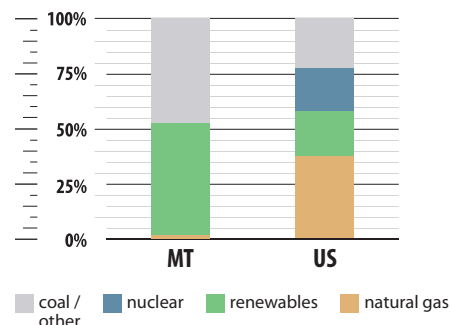
#37

0.49 tCO₂/MWh

CO₂ EMISSIONS RATE
0.1 tCO₂/MWh 0.9 tCO₂/MWh



ELECTRICITY SOURCES



CLEAN ENERGY JOBS

#44

14,566
(2021)



Growth/recovery since 2020 totaled
851 jobs (6.2%).



CLEAN ENERGY RANKINGS

#29

ENERGY EFFICIENCY
SCORE = 15



#49

1% GENERATION FROM
NATURAL GAS



#8

52% GENERATION FROM
RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

#46

0 MW
(2021)

NEW BUILD



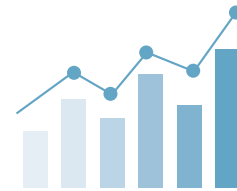
#25

3,745 MW

CUMULATIVE



ENERGY INNOVATION IN A 21ST CENTURY ECONOMY



WHAT ENERGY INNOVATION MEANS FOR MONTANA



\$16.9 MILLION Total Department of Energy funding in FY21

\$5 MILLION Office of Energy Efficiency and Renewable Energy Grants in FY21

\$5.6 MILLION Office of Science grants in FY21

\$7.4 MILLION Advanced Research Projects Agency-Energy grants since FY2009

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

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

#41 **90 JOBS SUPPORTED**

#43 **\$7 MILLION CONTRIBUTED TO GDP**

BUSINESS SPOTLIGHT

BIOSQUEEZE INC (BUTTE, MT) | BioSqueeze.com



BioSqueeze
SEALED WELL

BioSqueeze, Inc. has leveraged funding from the Department of Energy's Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs to successfully commercialize "BioSqueeze®," a novel biomineralization technology that uses bacteria to crystallize calcium carbonate to seal micro-fractures and fissures. This technology is used by the petroleum industry to seal leaking oil and gas wells and prevent the emission of greenhouse gases, and also has applications in other industries.