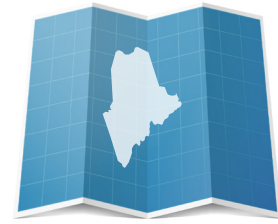


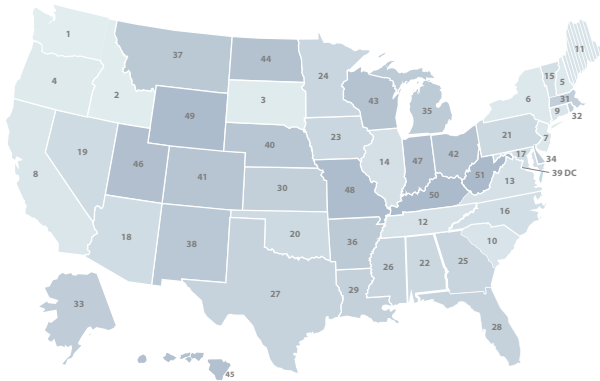
HOW DOES MAINE STACK UP ON CLEAN ENERGY?



DATA AS OF 2021



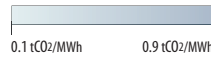
LOWEST CO₂ EMISSIONS RATE



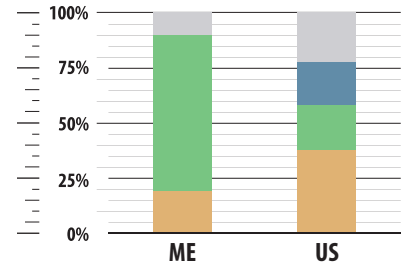
#11

0.28 tCO₂/MWh

CO₂ EMISSIONS RATE



ELECTRICITY SOURCES



coal / other nuclear renewables natural gas



CLEAN ENERGY JOBS

#48

12,918 (2021)



Growth/recovery since 2020 totaled 508 jobs (4.1%).



CLEAN ENERGY RANKINGS

#16

ENERGY EFFICIENCY SCORE = 27



#38

19% GENERATION FROM NATURAL GAS



#5

71% GENERATION FROM RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

#30

181 MW (2021)

NEW BUILD



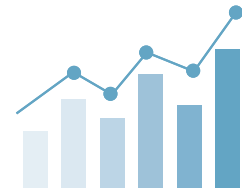
#35

2,894 MW

CUMULATIVE



ENERGY INNOVATION IN A 21ST CENTURY ECONOMY



WHAT ENERGY INNOVATION MEANS FOR MAINE



\$23.2 MILLION Total Department of Energy funding in FY21

\$16.8 MILLION Office of Energy Efficiency and Renewable Energy Grants in FY21

\$2.7 MILLION Office of Science grants in FY21

\$8.5 MILLION Advanced Research Projects Agency-Energy grants since FY2009

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

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

#41 **90** JOBS SUPPORTED

#41 **\$8** MILLION CONTRIBUTED TO GDP

BUSINESS SPOTLIGHT

INTROSPECTIVE SYSTEMS (PORTLAND, ME) | IntropectiveSystems.com

INTROSPECTIVE SYSTEMS

Intropective Systems develops distributed grid management software. The company has received more than \$3.5 million in grants from the Department of Energy and other federal agencies for research and development. One of these projects was to help small electric grids reallocate electricity resources based on price triggers. The firm is currently developing an advanced microgrid solution that will enable parts of the electric grid to break away from the broader grid at any level to create independent islands, improving security and reliability during power outages.