

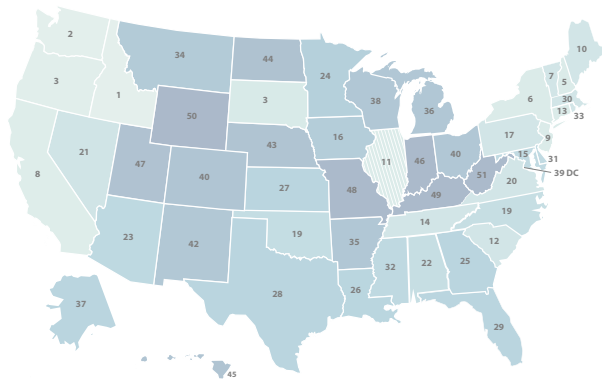
HOW DOES ILLINOIS STACK UP ON CLEAN ENERGY?



DATA AS OF 2020



LOWEST CO₂ EMISSIONS RATE



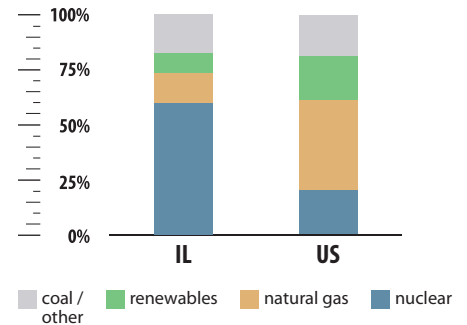
#11

0.24 tCO₂/MWh

CO₂ EMISSIONS RATE
0.1 tCO₂/MWh 0.9 tCO₂/MWh



ELECTRICITY SOURCES



CLEAN ENERGY JOBS

#5

125,264
(2020)



COVID-19 job losses totaled at least 8,790
March-December 2020 (cumulative).



CLEAN ENERGY RANKINGS

#15

ENERGY EFFICIENCY
SCORE = 27



#39

14% GENERATION FROM
NATURAL GAS



#33

10% GENERATION FROM
RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

#11

1171 MW
(2020)

NEW BUILD



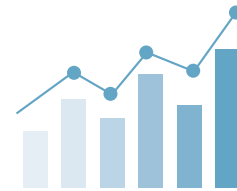
#12

6,890 MW

CUMULATIVE



ENERGY INNOVATION IN A 21ST CENTURY ECONOMY



WHAT ENERGY INNOVATION MEANS FOR ILLINOIS



\$46.3 MILLION Office of Energy Efficiency and Renewable Energy Grants in FY20

\$85.5 MILLION Office of Science grants in FY20

\$1.9 BILLION State and Indian energy programs, environmental cleanup, and other routine activities in FY20

\$106.9 MILLION Advanced Research Projects Agency-Energy grants since FY2009

41 GRANTS By ARPA-E since 2009

#2 17,180 JOBS SUPPORTED

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

#2 \$2.1 BILLION CONTRIBUTED TO GDP

BUSINESS SPOTLIGHT

NANOGRAP CORPORATION (CHICAGO, IL) | www.NanoGraf.com

NanoGraf Corporation is developing high-power battery materials for a variety of industries, including electric vehicles and renewable energy storage. The company has received support from several Department of Energy Small Business Innovation Research (SBIR) grants to develop its technology and move it toward commercialization. Additionally, the firm has won contracts with the U.S. Advanced Battery Consortium, whose members include the Department of Energy and several major auto manufacturers.