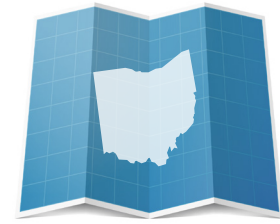


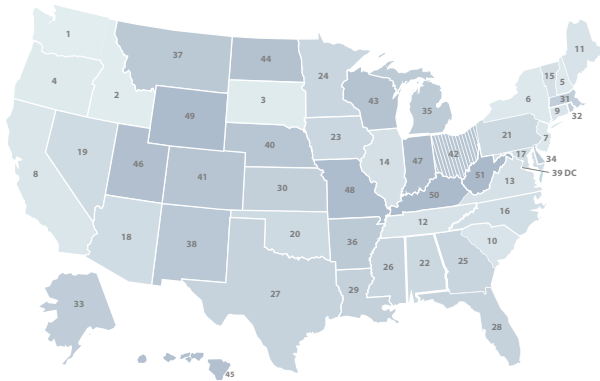
HOW DOES OHIO STACK UP ON CLEAN ENERGY?



DATA AS OF 2021



LOWEST CO₂ EMISSIONS RATE



#42

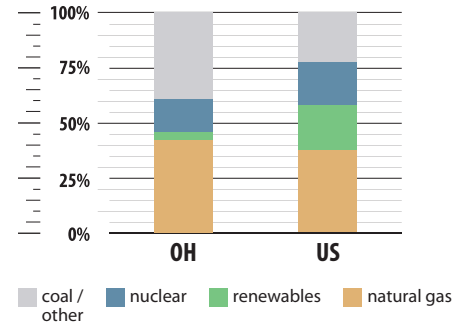
0.55 tCO₂/MWh

CO₂ EMISSIONS RATE

0.1 tCO₂/MWh 0.9 tCO₂/MWh



ELECTRICITY SOURCES



CLEAN ENERGY JOBS

#9

104,133
(2021)



Growth/recovery since 2020 totaled
2,675 jobs (2.6%).



CLEAN ENERGY RANKINGS

#37

ENERGY EFFICIENCY
SCORE = 12



#18

44% GENERATION FROM
NATURAL GAS



#46

3% GENERATION FROM
RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

#14

742 MW
(2021)

NEW BUILD



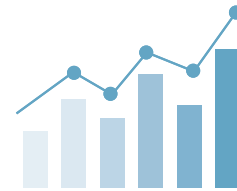
#36

2,452 MW

CUMULATIVE



ENERGY INNOVATION IN A 21ST CENTURY ECONOMY



WHAT ENERGY INNOVATION MEANS FOR OHIO



\$120.1 MILLION Total Department of Energy funding in FY21

\$35.9 MILLION Office of Energy Efficiency and Renewable Energy Grants in FY21

\$38.3 MILLION Office of Science grants in FY21

\$88 MILLION Advanced Research Projects Agency-Energy grants since FY2009

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

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

#19 **740 JOBS SUPPORTED**

#19 **\$75 MILLION CONTRIBUTED TO GDP**

BUSINESS SPOTLIGHT

LAKE ERIE DEVELOPMENT CORPORATION (LEEDCo) (CLEVELAND, OH) | LEEDCo.org

LEEDCo is a non-profit, public-private partnership behind the construction of Icebreaker Wind—the first freshwater offshore wind farm in North America. Icebreaker Wind is a 6-turbine, 20.7-megawatt offshore wind demonstration project 8 miles from downtown Cleveland in Lake Erie. The Department of Energy has provided more than \$50M in awards towards the project, leveraging significant local and private capital to develop innovative technology solutions to advance the offshore wind industry as a whole. The project has recently advanced through significant approval milestones, in partnership with the local community.