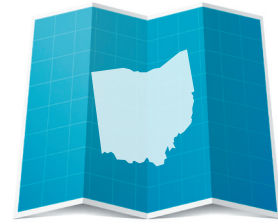


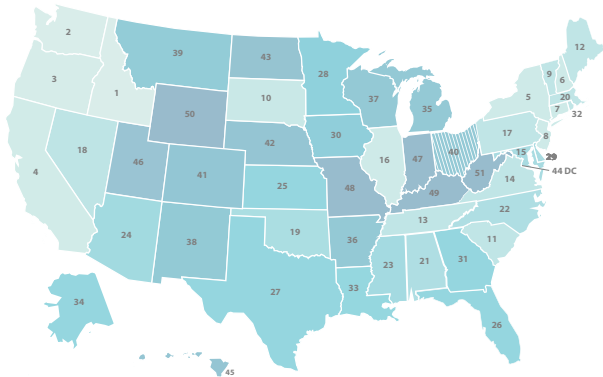
HOW DOES OHIO STACK UP ON CLEAN ENERGY?



DATA AS OF 2019

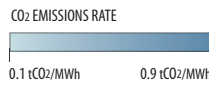


LOWEST CO₂ EMISSIONS RATE

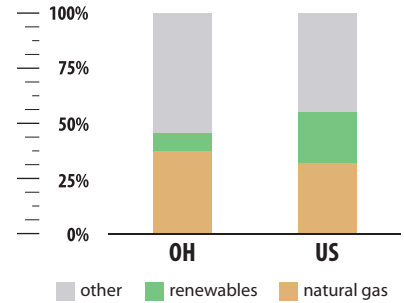


#40

0.59 tCO₂/MWh



ELECTRICITY SOURCES



CLEAN ENERGY JOBS

#8

114,259 (2019)



COVID-19 job losses totaled at least 15,965 March-August 2020 (cumulative).



CLEAN ENERGY RANKINGS

#33

ENERGY EFFICIENCY SCORE = 14



#15

43% GENERATION FROM NATURAL GAS



#50

2% GENERATION FROM RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

#23

162 MW (2019)

NEW BUILD



#40

1,457 MW

CUMULATIVE



ENERGY INNOVATION IN A 21ST CENTURY ECONOMY



WHAT ENERGY INNOVATION MEANS FOR OHIO



\$26.7 MILLION Office of Energy Efficiency and Renewable Energy Grants in FY19

\$35.8 MILLION Office of Science grants in FY19

\$569.5 MILLION State and Indian energy programs, environmental cleanup, and other routine activities in FY19

\$71.2 MILLION Advanced Research Projects Agency-Energy grants since FY2009

24 GRANTS By ARPA-E since 2009

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) | www.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.