

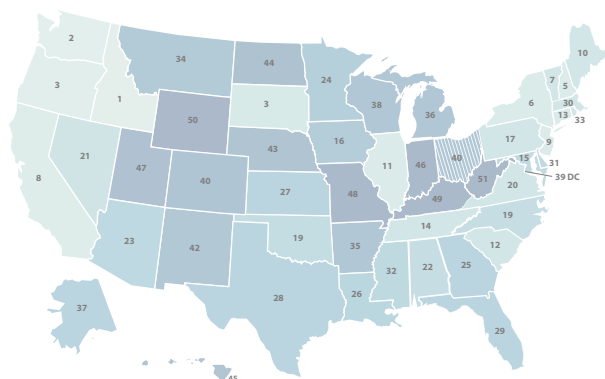
HOW DOES OHIO STACK UP ON CLEAN ENERGY?



DATA AS OF 2020



LOWEST CO₂ EMISSIONS RATE



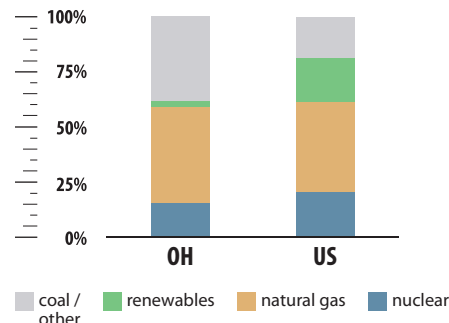
#41

0.55 tCO₂/MWh

CO₂ EMISSIONS RATE
0.1 tCO₂/MWh 0.9 tCO₂/MWh



ELECTRICITY SOURCES



CLEAN ENERGY JOBS

#9

101,458
(2020)



COVID-19 job losses totaled at least 14,116
March-December 2020 (cumulative).



CLEAN ENERGY RANKINGS

#37

ENERGY EFFICIENCY
SCORE = 12



#18

44% GENERATION FROM
NATURAL GAS



#49

3% GENERATION FROM
RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

#16

842 MW
(2020)

NEW BUILD



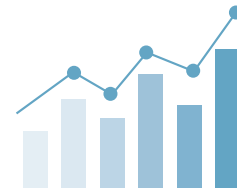
#36

2,165 MW

CUMULATIVE



ENERGY INNOVATION IN A 21ST CENTURY ECONOMY



WHAT ENERGY INNOVATION MEANS FOR OHIO



\$48.3 MILLION Office of Energy Efficiency and Renewable Energy Grants in FY20

\$37.4 MILLION Office of Science grants in FY20

\$587.4 MILLION State and Indian energy programs, environmental cleanup, and other routine activities in FY20

\$79.8 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) | 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.