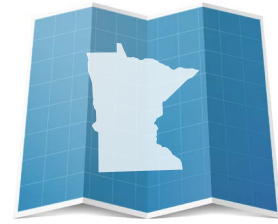


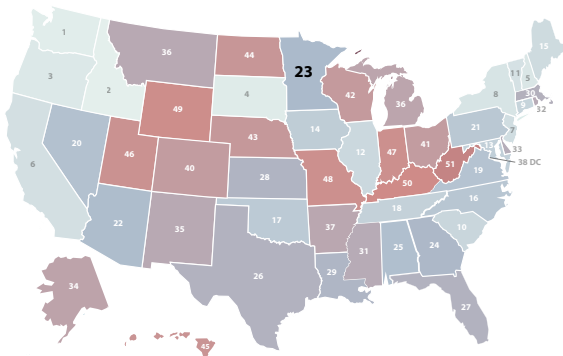
HOW DOES MINNESOTA STACK UP ON CLEAN ENERGY?



DATA AS OF 2022



LOWEST CO₂ EMISSIONS RATE

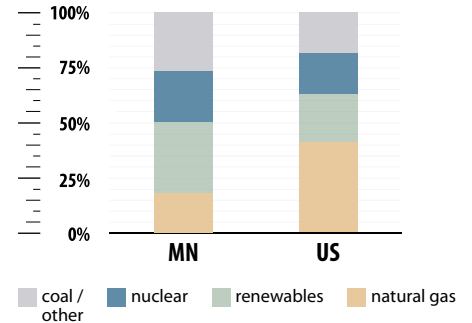


#23

0.36 tCO₂/MWh



ELECTRICITY SOURCES



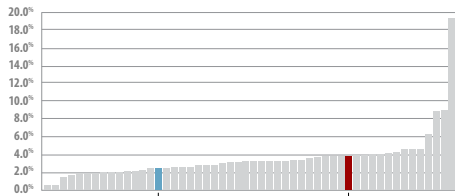
CLEAN ENERGY JOBS

Clean Energy Job Growth (2021-2022)

#19

79,798 (2022)

1,054 JOBS ANNOUNCED THROUGH NEW CLEAN ENERGY PROJECTS SINCE THE INFLATION REDUCTION ACT



All states and U.S. total ranked from lowest to highest % job growth



CLEAN ENERGY RANKINGS

#10

ENERGY EFFICIENCY SCORE = 32



#38

18% GENERATION FROM NATURAL GAS



#19

30% GENERATION FROM RENEWABLES



RENEWABLE ELECTRICITY CAPACITY

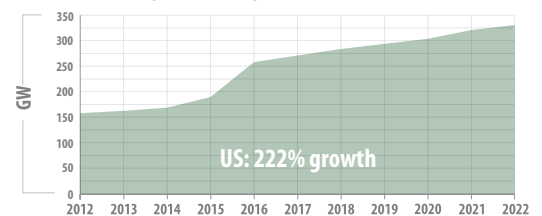
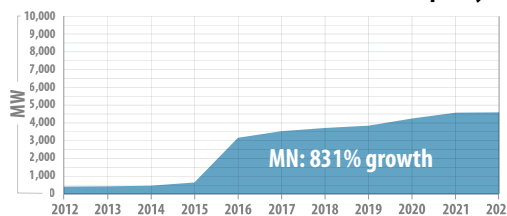
#17

CUMULATIVE BUILD 6,481 MW

#22

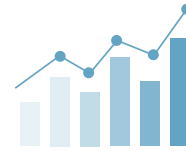
NEW BUILD (2022) 149 MW

Growth in Capacity Over the Past Decade (2012-2022)



SOURCES: BloombergNEF, U.S. Energy & Employment Report (Department of Energy), Energy Information Administration, American Council for an Energy-Efficiency Economy (ACEEE), Climate Power. All data are as of 2022, except jobs since passage of Inflation Reduction Act (8.15.22-9.30.23). Clean energy jobs include renewable, grid, storage, transmission and distribution, nuclear, and advanced vehicle technologies. Renewable energy capacity data include solar, wind, biomass/waste, geothermal, hydropower. See complete methodology at [CEBN.org/State-of-Clean-Energy](https://cebn.org/State-of-Clean-Energy).

INVESTING IN CLEAN ENERGY INNOVATION AND DEPLOYMENT



WHAT ENERGY INNOVATION MEANS FOR MINNESOTA



\$238.5 MILLION Total Department of Energy funding in FY22

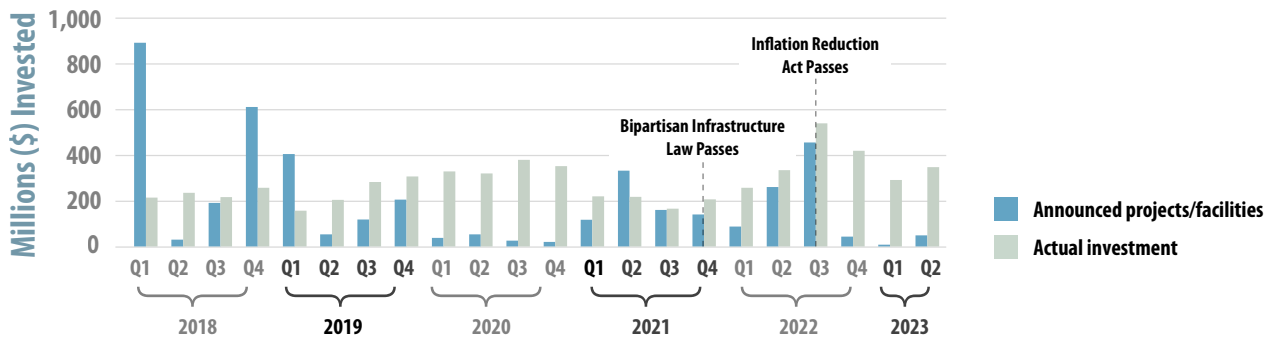
\$103.5 MILLION Office of Energy Efficiency and Renewable Energy grants in FY22

\$41.9 MILLION Advanced Research Projects Agency-Energy grants in FY22

\$110 MILLION Office of Science grants in FY22

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

CLEAN ENERGY INVESTMENT



BUSINESS SPOTLIGHT

TERRACOH (MINNEAPOLIS, MN) | www.Terracoh-Age.com



Supported by over \$1.75MM in Department of Energy grants, TERRACOH is introducing into the market its proprietary Carbon Dioxide (CO₂) Plume Geothermal - CPG™ technology. TERRACOH's novel use of CO₂ as its geologic working fluid, allows TERRACOH to permanently sequester millions of tonnes of CO₂ safely belowground in deep saline formations, while incorporating power systems aboveground enabling dispatchable, scalable, baseload, negative-emission power production. As well as high efficiency, affordable, small to grid-scale energy storage with TERRACOH's Earth Battery® technology. TERRACOH suite of technologies are particularly well-suited to transition/leverage the oil and gas workforce to a renewable future.

SOURCES: Bipartisan Policy Center, USASpending.gov, Clean Investment Monitor from Rhodium Group and MIT's Center for Energy and Environmental Policy Research. View complete methodology at CEBN.org/State-of-Clean-Energy.