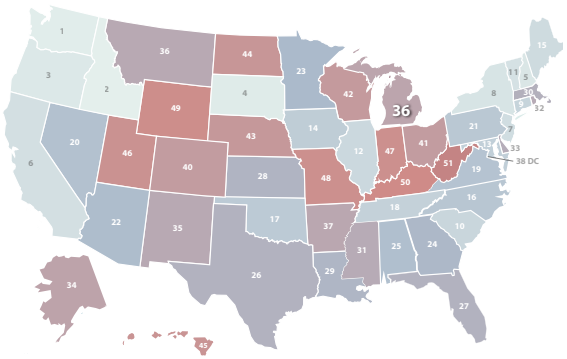
HOW DOES MICHIGAN STACK UP ON CLEAN ENERGY?

DATA AS OF 2022

LOWEST CO_2 EMISSIONS RATE

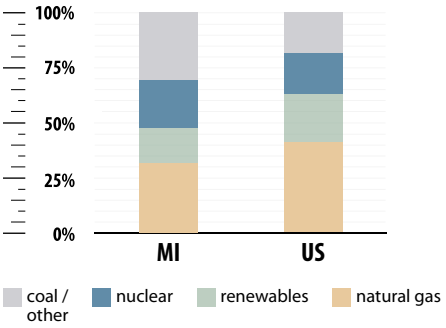


#39

0.50 tCO_2/MWh

0.09 tCO_2/MWh — 0.9 tCO_2/MWh

ELECTRICITY SOURCES



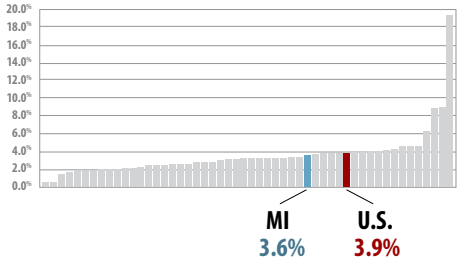
CLEAN ENERGY JOBS

#8

137,479 (2022)

16,699 JOBS ANNOUNCED THROUGH NEW CLEAN ENERGY PROJECTS SINCE THE INFLATION REDUCTION ACT

Clean Energy Job Growth (2021-2022)



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

CLEAN ENERGY RANKINGS

#15
ENERGY EFFICIENCY SCORE = 26

#26
34% GENERATION FROM NATURAL GAS

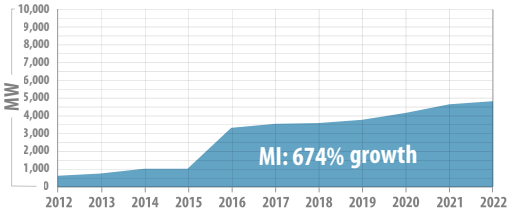
#32
12% GENERATION FROM RENEWABLES

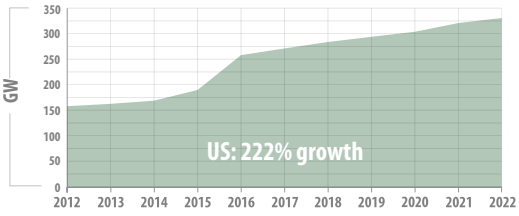
RENEWABLE ELECTRICITY CAPACITY

#15
CUMULATIVE BUILD
6,636 MW

#16
NEW BUILD (2022)
228 MW

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





CLEAN ENERGY BUSINESS NETWORK

The Business Council for Sustainable Energy®

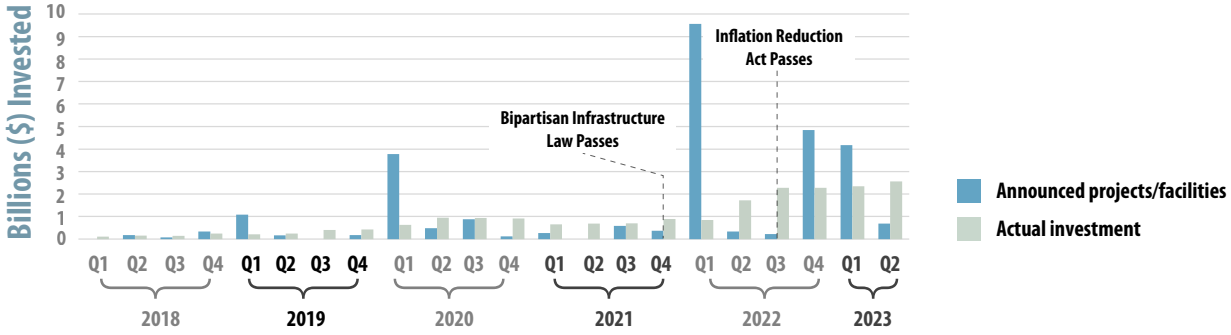
SOURCES: BloombergNEF, U.S. Energy & Employment Report (Department of Energy), Energy Information Administration, American Council for an Energy-Efficiency Economy (ACEEE), Climate Power. All data are as of 2022, except jobs since passage of Inflation Reduction Act (8.15.22-9.30.23). Clean energy jobs 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.

INVESTING IN CLEAN ENERGY INNOVATION AND DEPLOYMENT

WHAT ENERGY INNOVATION MEANS FOR MICHIGAN

- $1.7 **BILLION** Total Department of Energy funding in FY22
- $399.7 **MILLION** Office of Energy Efficiency and Renewable Energy grants in FY22
- $122.3 **MILLION** Advanced Research Projects Agency-Energy grants in FY22
- $1.2 **BILLION** Office of Science grants in FY22
- 127 **AWARDS** DOE Small Business Innovation Research (SBIR) since 2012

CLEAN ENERGY INVESTMENT



BUSINESS SPOTLIGHT

FLASH STEELWORKS (WASHINGTON, MI) | www.FlashSteelWorks.com

Flash Steelworks is the innovator of technology to make steel lighter and stronger, with dramatic potential benefits for fuel efficiency (i.e., vehicle lightness), military applications, and a range of other beneficial uses. The company is based in Michigan's Lower Peninsula and has worked with Oak Ridge National Laboratory in Tennessee to help develop the technology, with support from a number of Department of Energy Small Business Innovation Research (SBIR) awards. The firm is now launching commercial production of its steel. In 2017, the company was recognized as the Department of Energy's SBIR Small Business of the Year.

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.