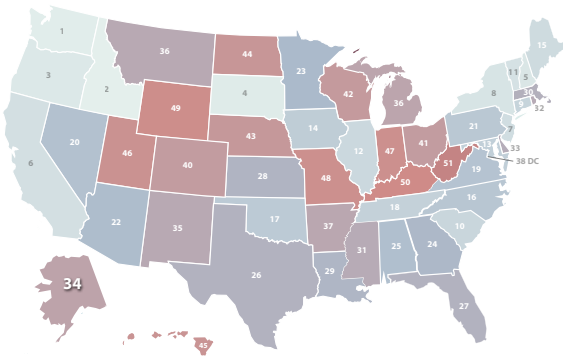
HOW DOES ALASKA STACK UP ON CLEAN ENERGY?

DATA AS OF 2022

LOWEST CO_2 EMISSIONS RATE

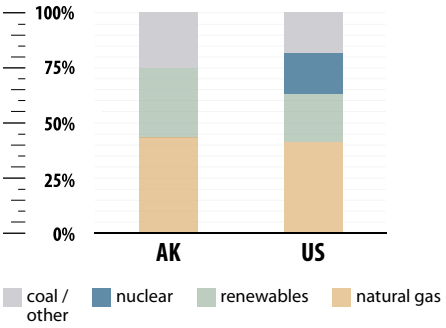


#34

0.43 tCO_2/MWh

0.09 tCO_2/MWh — 0.9 tCO_2/MWh

ELECTRICITY SOURCES



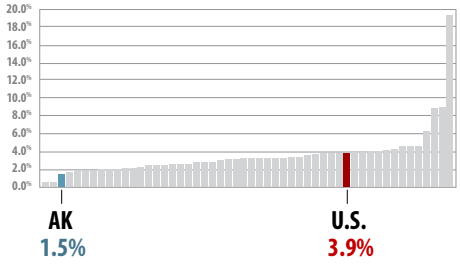
CLEAN ENERGY JOBS

#51

9,535 (2022)

4,127 OF THESE WORKERS IN ENERGY EFFICIENCY

Clean Energy Job Growth (2021-2022)



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

CLEAN ENERGY RANKINGS

#39
ENERGY EFFICIENCY SCORE = 6.5

#22
42% GENERATION FROM NATURAL GAS

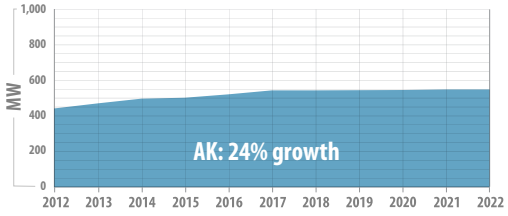
#18
32% GENERATION FROM RENEWABLES

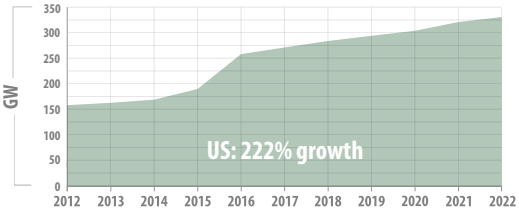
RENEWABLE ELECTRICITY CAPACITY

#47
CUMULATIVE BUILD
553 MW

#47
NEW BUILD (2022)
0 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 ALASKA

$73.9 MILLION Total Department of Energy funding in FY22

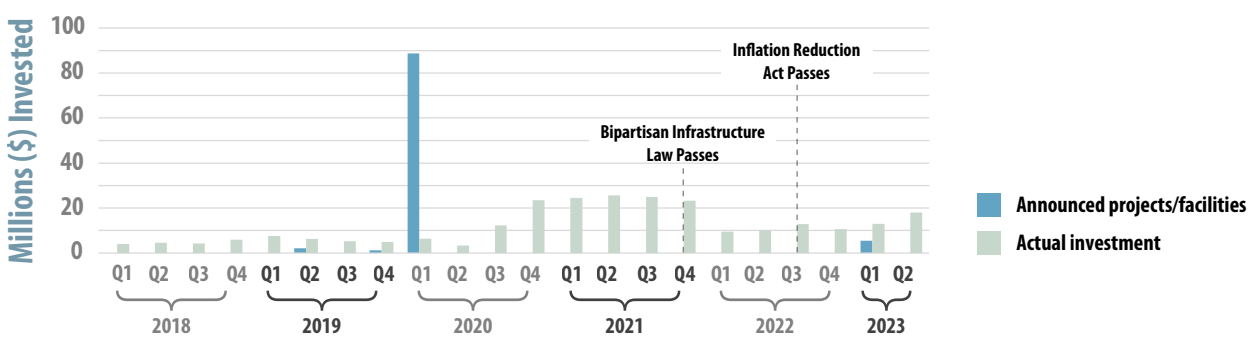
$30.4 MILLION Office of Energy Efficiency and Renewable Energy grants in FY22

$13.5 MILLION Advanced Research Projects Agency-Energy grants in FY22

$8.8 MILLION Office of Science grants in FY22

1 AWARD DOE Small Business Innovation Research (SBIR) since 2012

CLEAN ENERGY INVESTMENT



BUSINESS SPOTLIGHT

OCEAN RENEWABLE POWER COMPANY (ANCHORAGE, AK) | www.ORPC.co

ORPC maintains a strong and growing footprint of operations in Alaska. The company has a long-standing, river-powered, microgrid project partnership with the Tribal village of Igiugig, and a long-standing tidal-energy-powered, microgrid project with the City of False Pass. ORPC is making progress towards deploying a project in Lower Cook Inlet with the support of numerous local and regional companies and completing an analysis of electro-fuel development in Upper Cook Inlet in partnership with the Matanuska-Susitna Borough.

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.