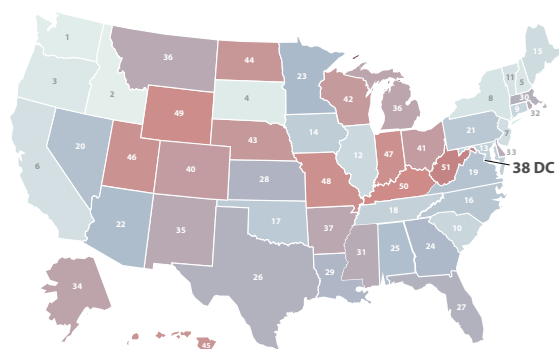# HOW DOES DISTRICT OF COLUMBIA STACK UP ON CLEAN ENERGY?

DATA AS OF 2022
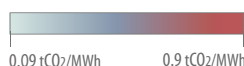
LOWEST CO₂ EMISSIONS RATE
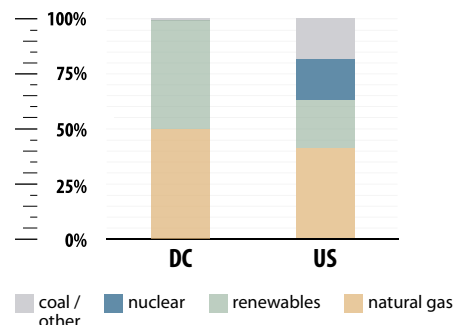
#38

0.48 tCO₂/MWh

0.09 tCO₂/MWh — 0.9 tCO₂/MWh
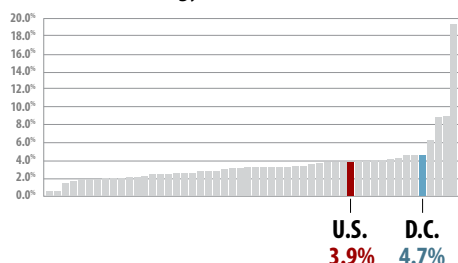
38 DC

ELECTRICITY SOURCES

- coal / other
- nuclear
- renewables
- natural gas

CLEAN ENERGY JOBS

#42

17,068 (2022)

1,685 OF THESE WORKERS IN SOLAR ENERGY

Clean Energy Job Growth (2021-2022)

U.S. 3.9%   D.C. 4.7%

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

CLEAN ENERGY RANKINGS

#6
ENERGY EFFICIENCY SCORE = 35

#13
50% GENERATION FROM NATURAL GAS

#9
49% GENERATION FROM RENEWABLES
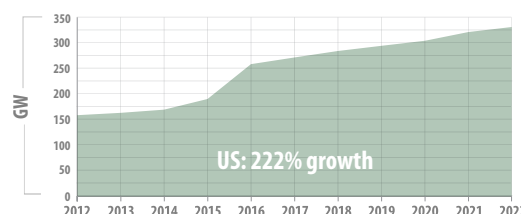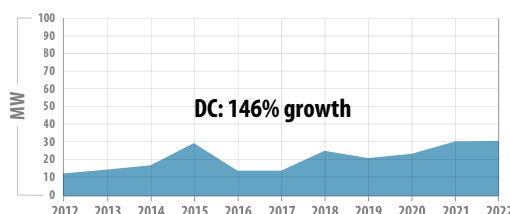
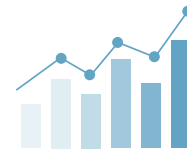## RENEWABLE ELECTRICITY CAPACITY

#51
CUMULATIVE BUILD
31 MW

#46
NEW BUILD (2022)
1 MW

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

DC: 146% growth

US: 222% growth

INVESTING IN CLEAN ENERGY INNOVATION AND DEPLOYMENT

WHAT ENERGY INNOVATION MEANS FOR D.C.

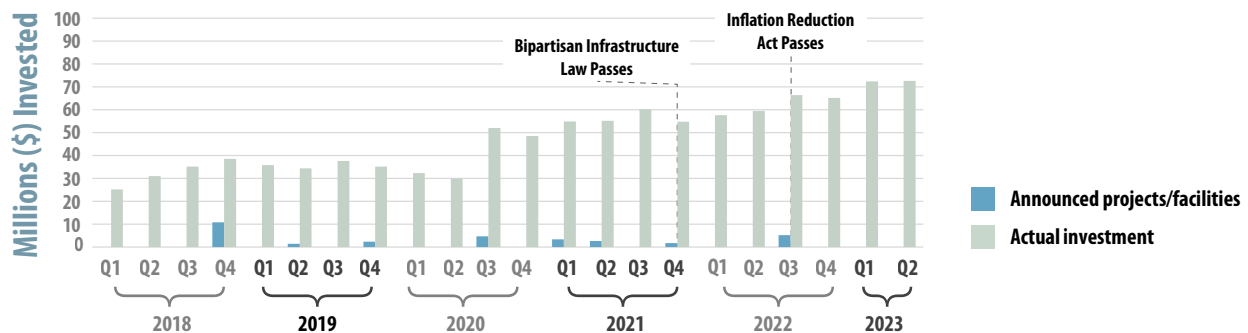**$124.6 MILLION** Total Department of Energy funding in FY22

$29.7 MILLION Office of Energy Efficiency and Renewable Energy grants in FY22

$7.8 MILLION Advanced Research Projects Agency-Energy grants in FY22

$36 MILLION Office of Science grants in FY22

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

CLEAN ENERGY INVESTMENT

Millions ($) Invested

Bipartisan Infrastructure Law Passes

Inflation Reduction Act Passes

Q1 Q2 Q3 Q4 | Q1 Q2 Q3 Q4 | Q1 Q2 Q3 Q4 | Q1 Q2 Q3 Q4 | Q1 Q2 Q3 Q4 | Q1 Q2
2018 | 2019 | 2020 | 2021 | 2022 | 2023

■ Announced projects/facilities
■ Actual investment

BUSINESS SPOTLIGHT

ATHENA POWER (WASHINGTON, DC) | www.Athena-Power.com

Athena Power, Inc. is a smart-sensing and data analytics company focused on critical power infrastructure modernization. The company manufactures low-cost, high functionality solutions for companies looking to improve their reliability, resiliency, and overall monitoring capability of their assets. The Department of Energy has awarded the company funding through the Small Business Innovation Research (SBIR) program to help support this work.