



INVESTING IN AMERICA'S ENERGY FUTURE

**Giulia Siccardo, Director**



**MESC**

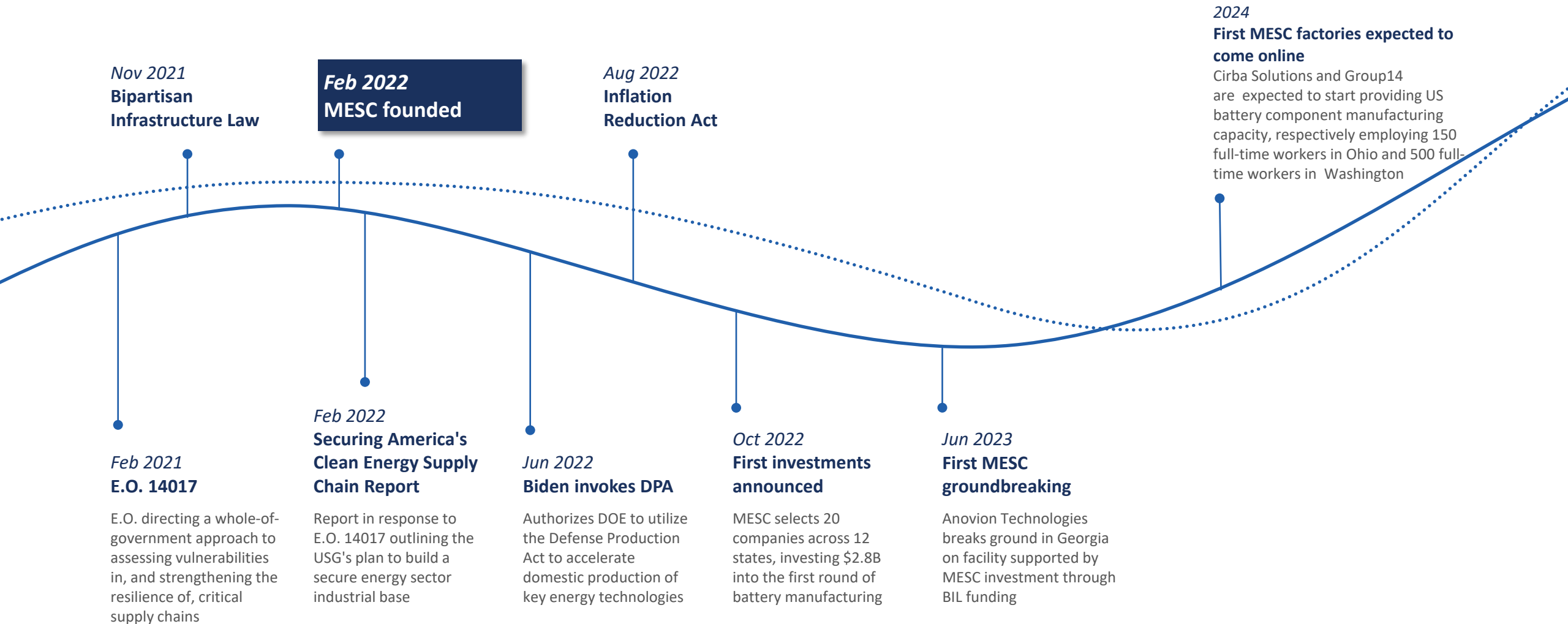
OFFICE OF MANUFACTURING AND ENERGY SUPPLY CHAINS

## **DOE Alaska Workshop on Critical Materials**

**May 9, 2024**

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# MESC was founded in 2022 to secure and strengthen critical manufacturing and energy supply chains



# MESC Programs

## Open for Applications



Consumer Electronics Battery Recycling, Reprocessing, and Battery Collection (\$15 million)



Advanced Manufacturing and Recycling Grants (\$425 million)



Qualifying Advanced Energy Project Credit (48C) Program Round 2 (\$6 billion)



EV Conversion Playbook Deployment (\$1.5 million)



EV Conversion Grants State Partnerships (\$50 million)

## Coming Soon



Program for Recycling Infrastructure and Smart Manufacturing (PRISM) (\$63 million)

## Under Review



Defense Production Act – Heat Pumps Manufacturing (\$250 million)



Consumer Electronics Battery Recycling, Reprocessing, and Battery Collection (\$50 million)



Batteries Material Processing and Better Manufacturing Grants (\$3.5 billion)



State Manufacturing Leadership Program (\$50 million)



Advanced Manufacturing and Recycling Grants (\$275 million)



Domestic Manufacturing Conversion Grants Program (\$2 billion)

## Under Review



Industrial Assessment Centers Program – Expansion (\$32 million)



Industrial Assessment Centers Implementation Grants (\$400 million)



IAC Clean Energy Manufacturing Workforce Training and Technical Assistance Awards (\$24 million)



IAC Technical Field Managers/Clearinghouse (\$16 million)

# FY23 MESC MILESTONE METRICS

## INVESTMENT OVERVIEW



### AWARDED PROJECTS



**\$1.9 Billion**

Strengthening domestic battery manufacturing



**\$18.75 Million**

Five new Workforce Development Centers of Excellence, enhancing and expanding the Industrial Assessment Center (IAC) Program

### SELECTED PROJECTS



**\$275 Million**

Strengthening clean energy supply chains and manufacturing in energy communities\*



**\$169 Million**

Accelerating domestic heat pump manufacturing

## IMPACT OVERVIEW



**APPROX. \$7B**

COMMITTED TO INVESTING IN AMERICAN ENERGY MANUFACTURING (FEDERAL & INDUSTRY)



**34%+**

INVESTED IN ENERGY JUSTICE COMMUNITIES\*



**1.3M+**  
EVS  
ENABLED



**2,600**

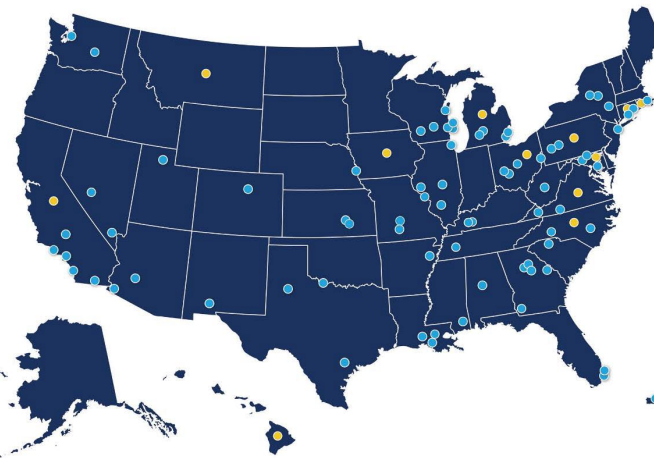
PERMANENT  
JOBS CREATED



**6,230**

CONSTRUCTION  
JOBS CREATED

## SELECTED PROJECTS MAP



**71 PROJECT  
LOCATION  
SELECTIONS  
ACROSS  
38 STATES &  
PUERTO RICO**

- PROJECT SELECTIONS
- STATE MANUFACTURING LEADERSHIP SELECTIONS

\*Energy Communities under BIL 40209 are census tracts in which, or adjacent to tracts in which, either coal mines closed after Dec. 31, 1999, or coal-fired electricity-generating power plants closed after December 31, 2009.



# 48C Qualifying Advanced Energy Project Credit

Round 1 allocations announced in March

Round 2 guidance published announcing up to \$6 billion, including several updates:

- Updated list of program supply chain priority areas
- New technology area now eligible (energy-intensive materials that have a substantially lower carbon intensity when compared to an appropriate industry-specific benchmark)
- Expanded list of eligible energy communities

Informational webinar to be held on May 16<sup>th</sup> at 12 pm ET

Learn more at the 48C landing page



Investing in our energy future

[energy.gov/mesc](https://energy.gov/mesc)



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Office of Manufacturing and Energy Supply Chains, U.S. Department of Energy

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