



# U.S. Department of Commerce International Trade Administration

Creates prosperity by strengthening the international competitiveness of U.S. industry, promoting trade and investment, and ensuring fair trade and compliance with trade laws and agreements.

#### Global Markets - U.S. Commercial Service

Trade and policy professionals located in over 80 countries and 100 U.S. locations; promotes U.S. exports; advances and protects U.S. commercial interests overseas; and attracts inward investment into the United States through **SelectUSA**.

#### **Industry and Analysis**

Strengthens U.S. competitiveness by helping shape industry-specific trade policy.

#### **Enforcement and Compliance**

Enforces U.S. trade laws and agreements to prevent unfairly traded imports and to safeguard the competitive strength of U.S. businesses.









#### **About SelectUSA**

**Our Mission** 

SelectUSA's mission is to promote and facilitate *job-creating business investment* in the United States.

SelectUSA operates as a <u>geographically neutral</u> "single window" at the national level for companies to invest in the United States.

**Our Clients** 

**SelectUSA** serves <u>investors and companies</u> with existing operations in the U.S. or planning to enter the U.S. market and <u>economic development</u> <u>organizations</u> (EDO) at the state, regional, and local levels.

SelectUSA supports greenfield investment.



# **How SelectUSA Can Help**

#### **SelectUSA Services**

**Market Research** 

**ACTIONABLE INFORMATION** on business investment in the United States and developing an FDI strategy.

**Events & Services** 

**PLATFORM FOR CONNECTIONS** that will provide in-depth, on-the-ground expertise and guidance at a local level.

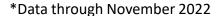
**Navigation** 

**NAVIGATING THE FEDERAL SYSTEM** to help with questions or concerns about U.S. federal rules and regulations.



# Announced Greenfield FDI Projects In U.S. Renewable Energy Market

Estimated Capital Expenditure in the Renewable Energy Industry, in Billions of U.S. Dollars, 2013-2022\*





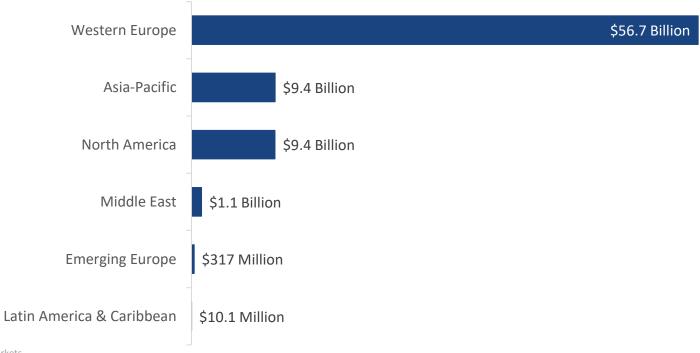
- 407 announced projects
- Estimated total of \$76.9
   billion in capital expenditure



## Sources of Announced Greenfield FDI in the **United States Renewable Energy Market**

#### **Estimated Capital Expenditure in the** Renewable Energy Industry, 2013-2022\*

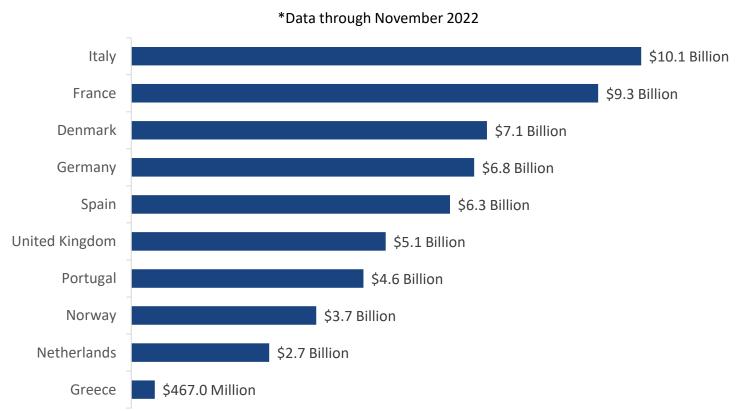






## **Top 10 European Source Markets for** Renewable Energy FDI in the United States

**Estimated Capital Expenditure in the Renewable Energy Industry, European Source Markets, 2013-2022\*** 

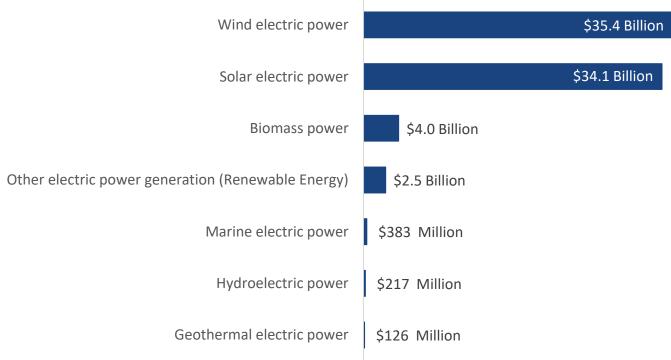




# **Announced Greenfield FDI Projects in U.S. Renewable Energy Subsectors**

**Estimated Capital Expenditure in the Renewable Energy** Industry by Sub-Sector, 2013-2022\*

\*Data through November 2022





# Announced Greenfield FDI Projects in Renewable Energy

Estimated Capital Expenditure in the Renewable Energy Industry by Destination, 2013-2022\*

\*Data through November 2022

- \$2 Billion and Over
- \$1 Billion to \$1.99 Billion
- \$500 Million to \$999 Million
- \$100 Million to \$499 Million
- Less than \$100 Million



#### Top three states:

- 1. Texas, \$18.2 bn
- 2. California \$7.5 bn
- 3. New York \$6.0 bn



# Greenfield FDI in Renewable Energy: Top Sources

Between November 2017 and October 2022, foreign firms announced **291** total greenfield projects in the U.S. Renewable Energy industry, with an estimated total capital investment of **\$57.0 billion.** 





# **Top Source Markets by Estimated Capital Investment (in U.S. Billions)**

November 2017 – October 2022

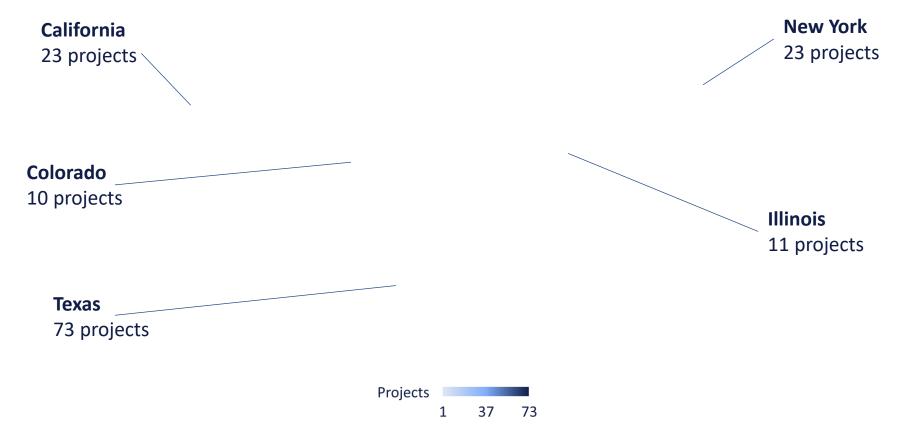


Source: <u>fDi Markets</u>; November 2017-October 2022



# Greenfield FDI in Renewable Energy: Number of Projects in U.S. Destinations

States by Number of Announced Greenfield Projects in Renewable Energy
November 2017 – October 2022

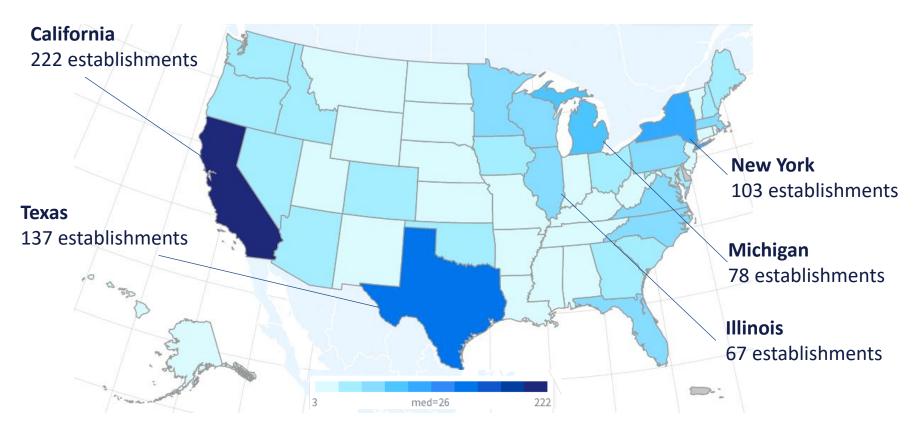


Source: fDi Markets; November 2017-October 2022



# **Clustermapping: Alternative Electric** Power Establishments in the U.S.

Establishments in the U.S. Alternative Electric Power Subcluster, 2020

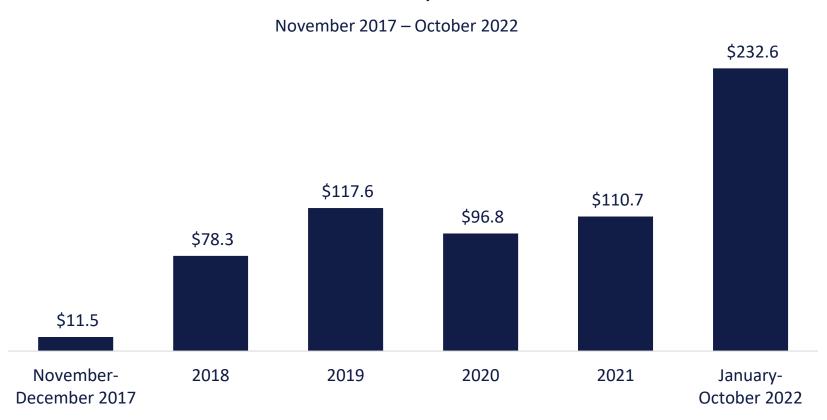


Source: U.S. Cluster Mapping



# FDI In the Global Renewable Energy **Industry**

Estimated Capital Investment in the Global Renewable Energy Industry (in U.S. **Billions**)



Source: fDi Markets; November 2017-October 2022



# FDI in the U.S. Renewable Energy Industry

Estimated Capital Investment in the U.S. Renewable Energy Industry (in U.S. Billions)

November 2017 – October 2022



Source: fDi Markets; November 2017-October 2022



# **Biden Administration Welcomes Investment and Clean Energy**



#### Inflation Reduction Act - \$369 Billion August 16, 2022

President Biden signed the Inflation Reduction Act into law, marking the most significant action Congress has taken on clean energy and climate change in the nation's history

#### **Infrastructure Investment and Jobs Act - \$1.2** trillion

"The bill is the single largest investment in clean energy transmission in American History"



#### Secretary Raimondo Outlines Agenda to Increase **American Competitiveness -September 28, 2021**

- Prioritizing Investments in Workforce, Businesses, and Innovation
  - Particularly working toward a "Clean Energy Future"

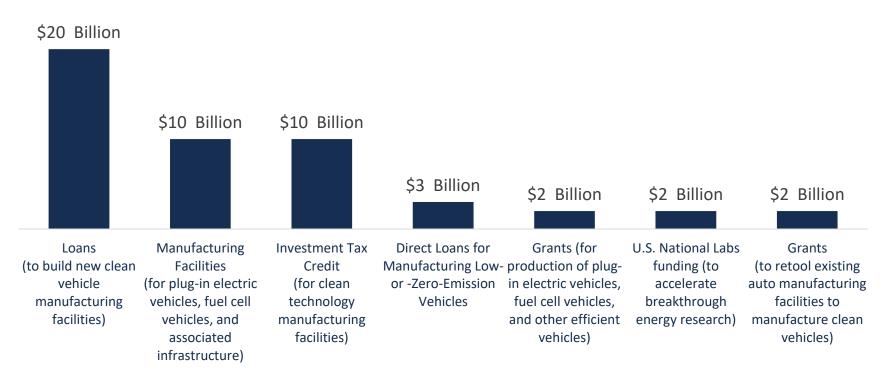
Sources: https://www.whitehouse.gov/briefing-room/statements-releases/2021/06/08/statement-by-president-joe-biden-on-the-united-states-commitment-to-open-investment/, https://www.whitehouse.gov/bipartisan-infrastructure-deal/#electricvehicle, and https://www.commerce.gov/news/speeches/2021/09/secretary-raimondo-outlines-agenda-increase-americancompetitiveness



# **Inflation Reduction Act (IRA) Funding for Clean Tech Initiatives**

#### **Budgeted IRA Funding for Clean Tech Programs**

(In U.S. Billions)



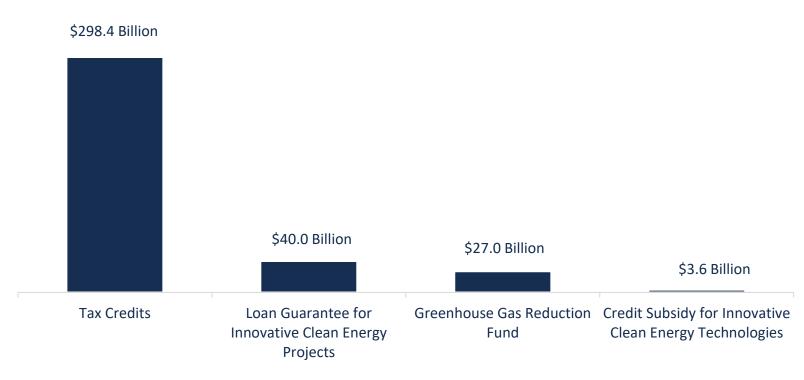
Source: Department of Energy, Inflation Reduction Act of 2022



# The Inflation Reduction Act (IRA) Commits \$369 Billion for Clean Tech

#### **IRA Budget Breakdown for Clean Tech Initiatives**

(In U.S. Billions)



Source: Department of Energy, Inflation Reduction Act of 2022







### Monthly Application Activity Report

#### **December 2022**

# ACTIVE APPLICATIONS 1 BILLION IN LOANS REQUESTED 2 NEW

#### Notes

All data updated through December 31, 2022. For more details and a list of technology areas of interest within each LPO tech sector, see: Energy.gov/LPO/MAAR

**APPLICATIONS PER WEEK<sup>3</sup>** 

- 1) Active applications include applications that have been submitted by the project sponsor(s) through LPO's online application portal and are in different stages of active review and engagement by LPO and the applicant.
- Individual requested loan amounts are estimated and potential, subject to change, and not necessarily representative of final financing terms. Requested loan amounts in current active applications do not affect available LPO loan authority. Figure rounded down to the nearest \$0.1 billion.
- 3) Current rolling average of new active applications per week over the previous 24 weeks. Figure rounded down to the nearest 0.1 application per week.

#### **\$119.0 BILLION**

CURRENT AMOUNT OF LOANS REQUESTED BROKEN DOWN BY PROJECT TECHNOLOGY SECTOR

Advanced Vehicles & Components	Biofuels			bon nagement	
	Virtual Power Plants	Transmis	ssion	Offshore Wind	
Advanced Nuclear		Renewable Energy		Advanced Fossil	
	Critical Materials				
		Storage		Hydrogen	EV Char- ging

#### SELECTUSA

#### Featured Program (Capital Assistance)

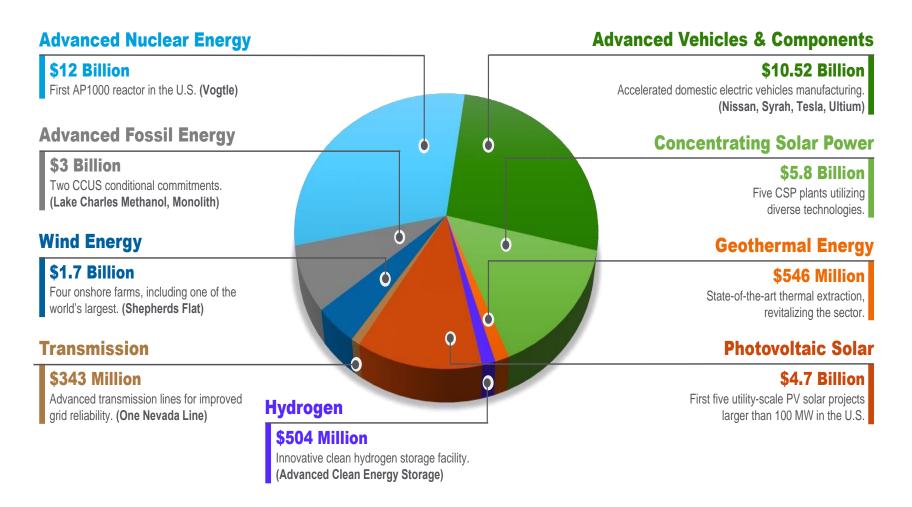


#### The U.S. Department of Energy Loan Programs Office (LPO)

finances innovative clean energy, advanced transportation, tribal energy, energy infrastructure reinvestment, and CO<sub>2</sub> transportation infrastructure projects, serving as a bridge to bankability for breakthrough projects and technologies, derisking them at early stages of commercialization so they can reach full market acceptance.



# LPO has over \$36.5 billion in innovative clean energy & advanced transportation commitments and loans



# The Next Generation of LPO Financing

#### LPO is working with stakeholders across

innovative clean energy and advanced transportation sectors



## **Major Technology**

Include but are not limited to the following.

**Technology Areas of Interest** 

Sectors	include, but are not limited to, the following:		
Advanced Vehicles & Components	• Vehicles • Components • Lightweighting • Manufacturing		
Biofuels	<ul> <li>Advanced Biofuels</li> <li>Biodiesel</li> <li>Cellulosic Biofuels</li> <li>Renewable Diesel</li> <li>Sustainable Aviation Fuel (SAF)</li> </ul>		
Critical Materials	• Extraction • Manufacturing • Mining • Processing • Recovery • Recycling		
EV Charging	Electric Vehicle (EV) Charging Infrastructure Manufacturing & Deployment		
Hydrogen	Generation • Infrastructure • Transportation		
Onshore & Offshore Wind	Offshore Wind • Onshore Wind Infrastructure		
Renewable Energy	• Electrification • Geothermal • Hydrokinetics • Hydropower • Solar • Waste Conversion		
Storage	<ul> <li>Electric Vehicle (EV) Battery Manufacturing</li> <li>Newer Battery Chemistries</li> <li>Flow Batteries</li> <li>Compressed Air Energy Storage</li> <li>Pumped Storage Hydropower</li> <li>Thermal Energy Storage</li> </ul>		
Transmission	<ul> <li>Grid Efficiency</li> <li>Grid Reliability</li> <li>High Voltage Direct Current (HVDC) Systems</li> <li>Offshore Wind Transmission</li> <li>Systems Sited Along Rail</li> <li>Highway Routes</li> </ul>		
Virtual Power Plants	Grid Connected Distributed Energy Resources (DERs)		
Advanced Fossil	<ul> <li>Carbon Feedstock Waste Conversion</li> <li>Fossil Infrastructure Repurposing &amp; Reinvestment</li> <li>Hybrid Generation Hydrogen Generated From Fossil Sources</li> <li>Industrial Decarbonization</li> <li>Synfuel</li> </ul>		
Carbon Management	Carbon Capture, Utilization & Storage (CCUS)    Carbon Dioxide Removal (CDR)		
Advanced Nuclear	• Small Modular Reactors • Micro Reactors • Nuclear Supply Chain • Nuclear Front-End		
Tribal Energy	• Energy Storage • Fossil Energy • Renewable Energy • Transmission Infrastructure • Transportation of Fuels		



# **Upcoming SelectUSA Energy Events**

SelectUSA Investment Summit May 1-4, 2023 **National Harbor, Maryland** 

**Clean Technology session for clients:** 

Clean Energy Incentive Landscape

For: Investors and EDOs

https://www.selectusasummit.us/ https://www.selectusasummit.us/Programming/SelectUSA-Tech



# Thank you

For more information about SelectUSA please see

https://trade.gov/selectusa