

U.S. DOE National Requirements for the Clean Energy Transition Partnership (CETP) Joint Call 2024

Dr.-Ing. Aaron Fuller, Carbon Conversion Program Engineer
Office of Fossil Energy and Carbon Management (FECM), Office of Carbon
Management Technologies

July 26, 2024



U.S. DEPARTMENT OF
ENERGY

Table of Contents

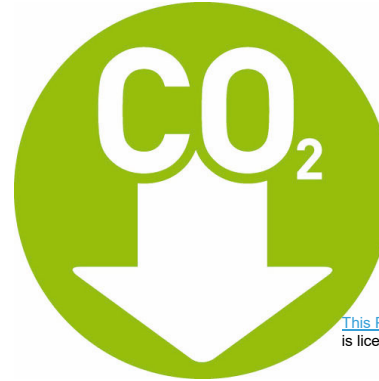
Part 1: General Information

Part 2: National Requirements Specifics

General Information

U.S. DOE National Climate Goals

- **2030:** 50% reduction in economy-wide net GHG pollution (from 2005 levels)
- **2035:** Carbon-neutral power sector
- **2050:** Carbon-neutral economy



[This Photo](#) by Unknown Author is licensed under [CC BY-ND](#)



[This Photo](#) by Unknown Author is licensed under [CC BY-SA-NC](#)



[This Photo](#) by Unknown Author is licensed under [CC BY-NC-ND](#)

CETPartnership Joint Call 2024 Call Modules

No.	Title
CM2024-01	Energy data spaces and interoperability
CM2024-02	Energy system flexibility: renewables production, storage and system integration
CM2024-03A	Advanced renewable energy (RE) technologies for power production (ROA)
CM2024-03B	Advanced renewable energy (RE) technologies for power production (IOA)
CM2024-04	Carbon capture, utilisation and storage (CCUS)
CM2024-05	Hydrogen and renewable fuels
CM2024-06	Heating and cooling technologies
CM2024-07	Geothermal energy technologies
CM2024-08	Integrated regional energy systems
CM2024-09	Integrated industrial energy systems
CM2024-10	Clean energy integration in the built environment

Source: Aage Stangeland, CETP TRI3 coordinator

The CETP Joint Call 2024

- The Call text is available at [Joint call 2024 \(Draft\) | CETPartnership](#)
- Eleven call modules
- Applications must have partners from at least three CETP-countries (2 from the European Union (EU) or Horizon Europe (HE) associated countries)
- Deadline for pre-proposal (stage 1): 21 November 2024, 14:00 CET
- Deadline for full proposal (stage 2): 31 March 2025, 14:00 CET
- Read the call text carefully!
- Read all eligibility criteria carefully!
 - **Transnational eligibility criteria**
 - **Call Module requirements**
 - **National/regional requirements**

Source: Clean Energy Transition Partnership, CETPartnership Joint Call 2024, July 2024, CETPartnership, Co-funded by the European Union

National Requirements Specifics

U.S. DOE Contact Points

Darin Damiani, Darin.damiani@hq.doe.gov, (Contact point for Carbon Storage and Transport)

Robert Schrecengost, PE, Robert.schrecengost@hq.doe.gov, (Contact point for Blue Hydrogen)

Dr.-Ing. Aaron Fuller, Aaron.fuller@hq.doe.gov, (Contact point for Carbon Utilization/Conversion)

Andrew HLasko, PE, Andrew.hlasko@hq.doe.gov, (Contact point for Carbon Capture)

Rory Jacobson, rory.jacobson@hq.doe.gov, (Contact point for Carbon Dioxide Removal (CDR))

Funding Commitment

Up to **USD 8M** (approx. € 7 M) for Call Module 4 on CCUS and Call Module 5 on Hydrogen and Renewable Fuels

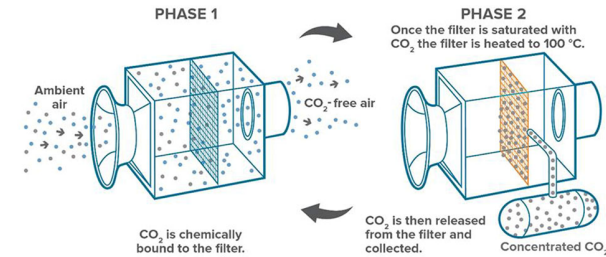
(2M Capture, 2M Transport & Storage; 2M Conversion; 1M Hydrogen; 1M CDR)



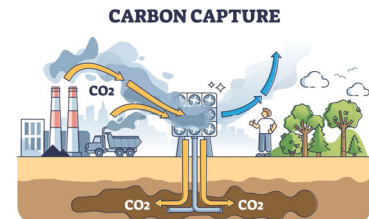
[An Interactive Diagram for Carbon Management Provisions | Department of Energy](#)

How Many Projects to be Funded and Amount of Awards

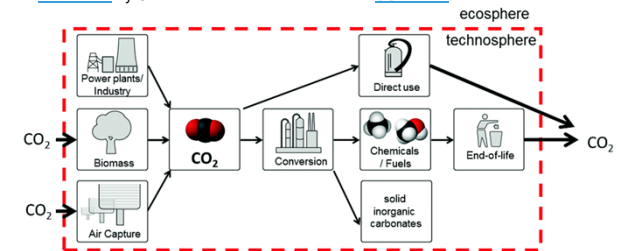
- **Anticipated number of projects to be funded:**
 - Between 6-12
- **Maximum funding per awarded project**
 - Maximum USD 1 Million per project for Call Module 4 on CCUS
 - Maximum USD 1 Million per project for Call Module 5 on Hydrogen and Renewable Fuels



[This Photo](#) by Unknown Author is licensed under [CC BY](#)



[This Photo](#) by Unknown Author is licensed under [CC BY-ND](#)

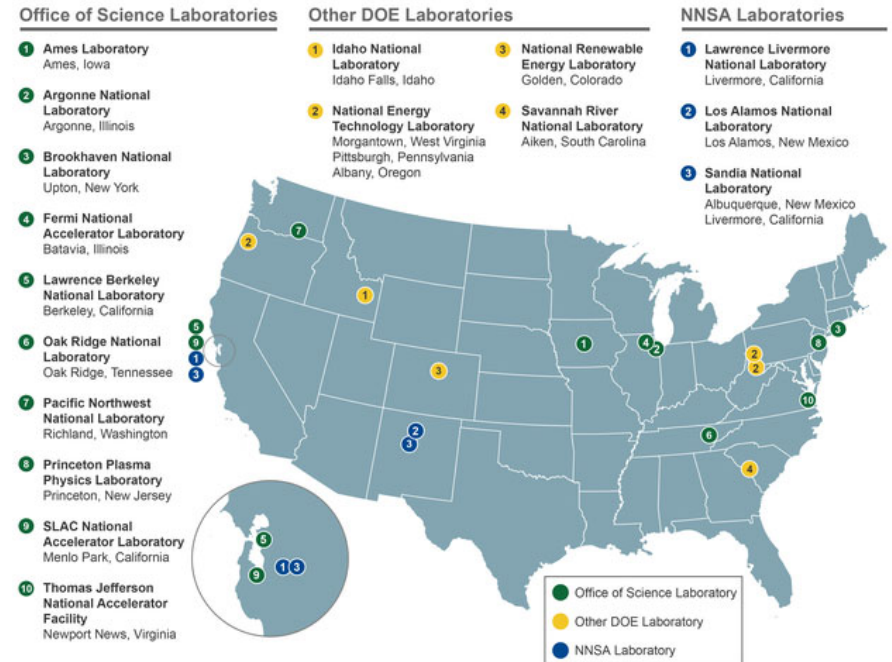


[This Photo](#) by Unknown Author is licensed under [CC BY](#)

Eligible types of organizations

The call is **open to U.S. National Laboratories and their public or private research partners**

The main **U.S. partner** must be **one of the designated DOE national laboratories**



[This Photo](#) by Unknown Author is licensed under [CC BY-SA](#)

Eligible Call Modules

- Call Module 4 CCU, CCS, CO2 Transport, and Call Module 5 Hydrogen and Renewable Fuels
- More detailed information on the specific R&D areas of interest to the United States may be found in the [DOE FECM Strategic Vision](#)
- Activities that do not strongly align with these areas will be deemed ineligible



Carbon
Dioxide
Removal

DOE_NETL Image



Point Source
Carbon
Capture

DOE_NETL Image



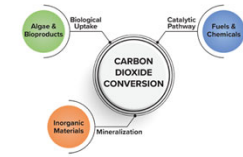
Carbon
Transport and
Storage

DOE_NETL Image



Hydrogen with
Carbon
Management

DOE_NETL Image



Carbon
Conversion

DOE_NETL Image

Eligible Call Modules

The U.S. team must meet all requirements related to the DOE strategies defined in the [DOE FECM Strategic Vision](#) ranging from TRL 3-6 as defined in the [U.S. DOE Technology Readiness Assessment Guide](#)

[This Photo](#) by Unknown Author is licensed under [CC BY-SA-NC](#)



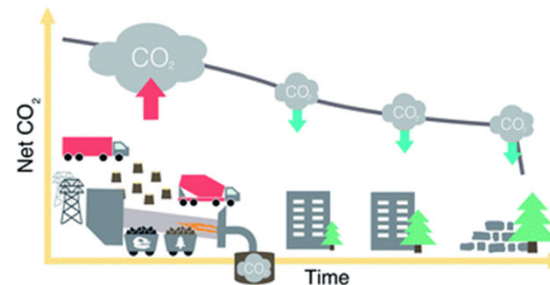
[This Photo](#) by Unknown Author is licensed under [CC BY-SA-NC](#)

Justice, Labor, and Engagement



[This Photo](#) by Unknown Author is licensed under [CC BY-NC](#)

Technologies that Lead To Sustainable Energy Resources



[This Photo](#) by Unknown Author is licensed under [CC BY](#)

Carbon Management Approaches Toward Deep Decarbonization

STRATEGIC VISION
The Role of Fossil Energy and Carbon Management
in Achieving Net-Zero Greenhouse Gas Emissions



U.S. DEPARTMENT OF ENERGY Fossil Energy and Carbon Management

Additional eligibility criteria

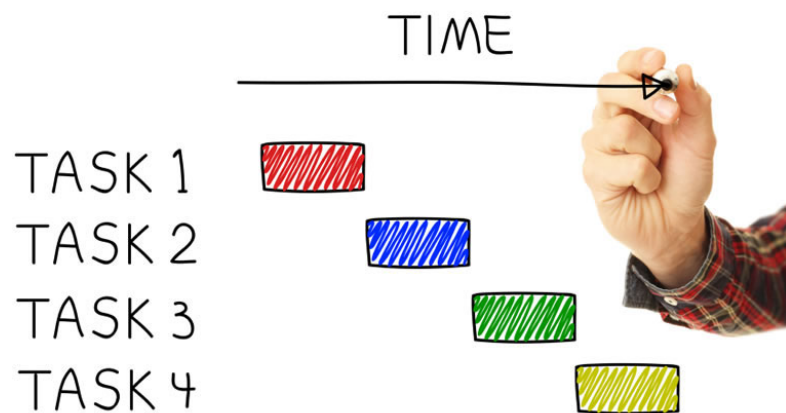


This Photo by Unknown Author is licensed under [CC BY-SA](#)

The United States applicants must meet all eligibility criteria related to application types listed under "Eligibility type of research and TRL." United States applicants are encouraged (not required) to include scope and budget for making project data available to the international research community through the CO₂DataShare portal (<https://co2datashare.org/>)

Eligible costs

Eligible costs for United States applicants are defined in the [DOE Guide to Financial Assistance](#).



[This Photo](#) by Unknown Author is licensed under [CC BY](#)



[This Photo](#) by Unknown Author is licensed under [CC BY-SA](#)

Funding

Maximum funding percentages



This Photo by Unknown Author is licensed under [CC BY-SA](#)

	Basic research	Industrial/ Applied Research	Experimental development/ innovation
National Laboratories	100%	100%	100%

Thank You!



[This Photo](#) by Unknown Author is licensed under [CC BY-NC](#)

Stay in Touch



<https://cetpartnership.eu>



<https://www.linkedin.com/company/cetpartnership/>



https://twitter.com/CET_Partnership



<https://www.youtube.com/@cetpartnership>