



U.S. DEPARTMENT OF
ENERGY

Office of Fossil Energy and
Carbon Management

Annual CCS Meeting

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Where We've Been... FY21

- \$125M budget (\$40 M CDR)
- FOAs
 - H2 – SMR/ATR
 - DAC
 - FEED (Industrial/NG)
- New efforts
 - Deep Decarbonization
 - Co-benefits
 - Environmental Justice

Where We Are...

- Infrastructure Bill, 45Q

Carbon Utilization Program
Carbon Capture Technology Program
Carbon Storage Validation and Testing
Program to Develop Four Regional Clean
Direct Air Capture Hubs
Precommercial Direct Air Capture
Technology Prize Competitions
Commercial Direct Air Capture Technology
Prize Competitions
Rare Earth Element Demonstration Facility
Rare Earth Element Security Activities
Critical Material Innovation, Efficiency, and
Alternatives Activities
Critical Material Supply Chain Research
Facility
Activities for Orphaned, Abandoned, or
Idled Wells on Federal Land (Section 349(b)
of the Energy Policy Act of 2005)

Energy Storage Demonstration Pilot Grant Program
Long-Duration Demonstration Initiative and Joint
Program
Advanced Reactor Demonstration Program
Carbon Capture Large-scale Pilot Projects
Carbon Capture Demonstration Projects Program
Industrial Emission Demonstration Projects
Clean Energy Demonstration Program on Current
and Former Mine Land
Regional Clean Hydrogen Hubs
Program Upgrading Our Electric Grid and Ensuring
Reliability and Resiliency
Activities For Energy Improvement In Rural And
Remote Areas

Where We Are...

- RFI
- Collaboration

Notice of Intent No.: DE-FOA-0002559

DISCLAIMER: The “Notice of Intent to Issue” is for informational purposes only; the Department of Energy is not seeking comments on the information in this notice and applications are not being accepted at this time. Any information contained in this notice is subject to change.

**This is a Notice of Intent to issue
Funding Opportunity Announcement No.: DE-FOA-0002560**

“Direct Air Capture Combined with Dedicated Long-Term Carbon Storage, Coupled to Existing Low-Carbon Energy.”

The Department of Energy (DOE) National Energy Technology Laboratory (NETL) intends to issue a Funding Opportunity Announcement (FOA) on behalf of the Office of Fossil Energy and Carbon Management (FECM), in collaboration with Nuclear Energy (NE) and Energy Efficiency and Renewable Energy’s Geothermal Technology Office (EERE-GTO), a Front-End Engineering Design (FEED) Funding Opportunity Announcement (FOA). The FOA is anticipated to be issued in this calendar year.

Where we're going... FY22

FY22 House Mark - \$150M

The Committee directs the Department to use its existing authorities to fund technologies that significantly improve the efficiency, effectiveness, costs, emissions reductions and environmental performance of carbon dioxide captured from coal, natural gas, industrial facilities, and other sources to produce fuels and other valuable products.

The recommendation provides up to \$50,000,000 to support FEED studies, including for the development of a first-of-its-kind carbon capture project at an existing NGCC plant. The Department is encouraged to prioritize entities that are primarily engaged in the generation of electricity from natural gas in competitive power markets.

The recommendation provides not less than \$10,000,000 for research and optimization of carbon capture technologies at industrial facilities and not less than \$12,000,000 for research and optimization of carbon capture technologies for natural gas power systems.

The recommendation provides up to \$10,000,000 to assist communities in the design and construction of pilot-scale equipment and systems necessary to demonstrate CCUS at waste to energy plants.

Within available funds...support research, development, and demonstration activities of technology for carbon capture chemical looping and hydrogen production.

Questions