



REGIONAL CARBON CAPTURE DEPLOYMENT INITIATIVE

UPDATE

May 19, 2023

DOE Announces \$251 Million in Funding for Carbon Dioxide Transport and Storage Infrastructure Support

This week, the Department of Energy (DOE) [announced \\$251 million in funding](#) to support 12 selected projects across seven states that will bolster the nation's carbon management capabilities. The funding announced by the Department of Energy on Wednesday, as part of the Bipartisan Infrastructure Law, will further boost necessary development and deployment of carbon management technologies.

The U.S. has abundant, well-characterized carbon storage capacity that can safely and permanently store billions of tons of carbon dioxide (CO₂) emissions, but currently lacks the necessary infrastructure and capture facilities to fully utilize this potential. Deploying the safe and permanent geologic storage of CO₂ at scale is necessary to meet midcentury climate targets and today's funding announcement wisely focuses on those projects that can store at least 50 million metric tons of CO₂. The programs funded include:

Carbon Dioxide Transport Engineering and Design Project: Three projects were selected for a total of \$9 million in funding to perform detailed engineering design studies for regional CO₂ pipeline networks.

Carbon Storage Validation and Testing Project: Nine projects were selected for a total of \$242 million in funding to support the development of new and expanded large-scale, commercial carbon storage projects with capacities to securely store 50 or more million metric tons of carbon dioxide. These projects include:

- Bluebonnet Sequestration Hub, LLC (Texas)
- BP Corporation North America Inc. (Texas)
- Colorado School of Mines (Colorado)
- Magnolia Sequestration Hub, LLC (Texas)
- Southern States Energy Board (Georgia)
- Timberlands Sequestration, LLC (Texas)
- University of Illinois (Illinois)

- University of North Dakota Energy & Environmental Research Center (North Dakota)
- University of Wyoming (Wyoming)

In the announcement, DOE also announced the reopening of the \$2.25 billion Carbon Storage Validation and Testing Funding Opportunity, which has been modified to expand the scope of eligibility. You can read the revised FOA for that program [here](#) and read the Carbon Capture Coalition's full statement on Wednesday's funding announcement [here](#).

Senators Murkowski and Cantwell Reintroduce CREST Act

On May 12, Senators Lisa Murkowski (R-AK) and Maria Cantwell (D-WA) joined by their colleagues Sens. King (I-ME), Cassidy (R-LA) and Coons (D-DE) reintroduced the Carbon Removal and Emissions Storage Technologies (CREST) Act. The bipartisan bill focused on carbon removal directs the Departments of Energy and Interior to establish research programs to evaluate the feasibility of carbon removal and storage pathways, quantify the net impacts of carbon removal solutions, and establish a pilot reverse auction purchasing program with the aim to accelerate carbon removal market commercialization.

You can read the CREST Act bill text [here](#).

Save the Date for CO2NNECT 2023

GPI's Carbon Action Alliance is pleased to announce **CO2NNECT 2023: Carbon Management Pathways to Clean Energy**, a three-day event that will bring together experts and enthusiasts in the field of carbon management.

- **What:** CO2NNECT 2023, presented by the Carbon Action Alliance
- **When:** Sunday, October 1 – Tuesday, October 3, 2023
- **Where:** [Hyatt Regency Tamaya Resort](#) near Albuquerque, New Mexico

The Context: CO2NNECT will provide a space for open and productive dialogue to ensure carbon management technologies are deployed in a responsible and timely way. Community and worker benefits, infrastructure build out, public education, and thoughtful stakeholder engagement are some of the priority topics that will be addressed at CO2NNECT. Anyone who is interested in carbon management or would like to learn more about its role in decarbonizing our economy is encouraged to attend. We welcome a broad range of perspectives and want to create a diverse and inclusive community of stakeholders.

Registration: Coming soon! [Please send the Action Alliance your name and email here](#) to be sure you receive the registration link. For more information about CO2NNECT 2023, please read the Event Packet.

Carbon Capture Coalition Hiring Public Policy Manager

The [Carbon Capture Coalition](#) seeks a Public Policy Manager to support our growing and successful federal policy development, education and joint advocacy work in Washington, DC. Reporting to the Coalition Executive Director, the Public Policy Manager will work alongside the Coalition's growing team of staff, consultants, Coalition members and stakeholders to help design, enact and implement the next generation of policies necessary to deploy the full suite of

carbon management technologies at the pace required by midcentury climate goals.

Required application materials include a resume and one-page cover letter. Applications will be considered on a rolling basis. The job description can be found [here](#).

Read More About GPI's Carbon Action Alliance's Approach in Carbon Capture Magazine

Public understanding of carbon management still needs to improve. Information that is available is often contradictory, unclear, and at times misleading. Individuals and organizations involved in the deployment of carbon management technology have a responsibility to the public to share information on how that technology works, what regulations and safety measures are in place, and how projects will affect local communities. We also have a responsibility to listen and learn from communities' desires and concerns.

GPI's Carbon Action Alliance focuses on how engagement and education on carbon management and wrote an article in the latest edition of Carbon Capture Magazine introducing the Alliance's work, how they engage the public on carbon management, and why it's critical. Read the article at [this link](#).

Check out GPI's Carbon Management, Hydrogen, and Procurement Legislative Updates

Legislative sessions are underway in most states across the country and carbon management, hydrogen, and procurement-related measures and bills of interest are under consideration. Every other Friday we send out a legislative digest with a short summary of the trends we're seeing and the bills that are moving in states. If you didn't receive this week's digest, please check your spam filter. For real-time updates on what bills are moving, check the [legislative tracker](#).

News Roundup

- [A crucial climate technology provokes fears in oil country \(Politico\)](#)
- [Big Money Rushes Into Carbon Capture. Can It Deliver This Time? \(Bloomberg\)](#)
- [Microsoft Inks Deal to Pay for CO2 Stored Below the Sea \(Bloomberg\)](#)
- [Aviation Climate Task Force issues first research grant to drive more Sustainable ... - PR Newswire](#)
- [Landowner battles against carbon dioxide pipelines vary by state in the Midwest - York News-Times](#)
- [States rush to make rules governing CO2 pipelines planned for Midwest \(Iowa Capital Dispatch in Minnesota Reformer\)](#)
- [Factbox: Emerging carbon capture projects at U.S. power plants \(Reuters\)](#)
- [Is carbon capture viable? In a new rule, the EPA is asking power plants to prove it.](#)
- [EPA again proposes power plant carbon rules \(Missouri Independent\)](#)
- [Biden administration invests in carbon capture, upping pressure on industry to show results | AP News](#)
- [Chart: Carbon capture and removal projects hit a... | Canary Media](#)

- [Carbon America, Svante team up to deploy carbon capture projects \(offshore-technology.com\)](#)
 - [Is carbon capture ready to rein in coal emissions?, Energy News Network, May 17](#)
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Global News

- [Australia to scale up offshore carbon capture storage - minister | Reuters](#)
 - [Leading the way on CCUS in the EMEA region | Spectra \(mhi.com\)](#)
 - [Britain awards 20 offshore carbon storage licences | Reuters](#)
 - [Exxon targets 2025 for carbon capture and storage in Bass Strait \(afr.com\)](#)
 - [Lafarge Canada in Partnership with Svante and Dimensional Energy To Begin Utilization of CO2 Captured at Richmond Cement Plant | Business Wire](#)
 - [Australian industry releases carbon roadmap for net zero future | CanIndia News](#)
 - ['Peak Cluster': Cement and lime plants unveil CCS plan | BusinessGreen News](#)
 - [Malaysian contractor scoops Petronas Carigali carbon capture prize | Upstream Online](#)
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New Podcasts, Reports, Statements & Blogs

- [3M and Svante announce joint development agreement to develop and produce carbon dioxide removal products \(prnewswire.com\)](#)
 - [Summit Carbon Solutions and Gold Standard Methodology](#)
 - [Carbon Capture Magazine's Podcast: The First Hub for Public CCS Knowledge Sharing - YouTube](#)
 - [EPA's Proposed Power Plant Rules: 6 Key Questions, Answered | World Resources Institute \(wri.org\)](#)
 - [Unlocking the potential of direct air capture: Is scaling up through carbon markets possible? – Analysis - IEA](#)
 - [Drax announces carbon removals deal with C-Zero - Drax Global](#)
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News in the States

Alabama

- [An Alabama plant is now churning out low-carbon concrete \(Canary Media\)](#)

Alaska

- [Alaska passes “tree” bill, increasing investment in natural carbon storage while also setting policy framework for state primacy of carbon injection wells. \(Anchorage Daily News\)](#)

Arizona

- ASU to receive \$70 million in grant from DOE's Industrial Efficiency and Decarbonization Office to research clean energy industrial processes (PV Magazine)

Arkansas

- Syntex to develop hydrogen facility in Arkansas (Bio Fuels Digest)

California

- Our View: Kern has the 'right stuff' to address climate change (Bakersfield Californian)
- Scientists have a way of removing carbon dioxide from our oceans (CNN)

Colorado

- Colorado prepares to manage carbon dioxide sequestration, geothermal and change oil regulator - Denver Business Journal (bizjournals.com)
- Colorado gets \$32 million for Pueblo carbon sequestration hub (coloradosun.com)
- Colorado is poised to set the nation's first standards for green hydrogen. Will the federal government follow suit? (CPR News)
- Colorado to consider greenhouse gas cap and trade system for manufacturers - Denver Business Journal (bizjournals.com)

Delaware

- Chris Coons, US Senator from Delaware, discusses the potential of hydrogen as the future of energy (Washington Post LIVE)

Illinois

- McLean County OKs regulations for CO2 sequestration projects (The Pantagraph)

Indiana

- Heidelberg Materials North America to install carbon capture system at Mitchell, Indiana cement plant (Global Cement)

Iowa

- Floyd County Officials Debate Meetings for Carbon Pipeline Ordinance (KCHA)
- Making CO2nnections for the Future - Vital | A news & media resource published by POET (vitalbypoet.com)
- Some Iowans are skeptical of pipelines that companies say will fight climate change : NPR

Kansas

- KU chemists reveal breakthrough that leads to cleaner hydrogen energy (WIBW)

Louisiana

- Leaders address concerns on carbon capture and how it affects the environment (BR Proud)
- Press Release | Press Releases | Newsroom | U.S. Senator Bill Cassidy of Louisiana (senate.gov)
- Air Products' carbon capture PR blitz extends to Baton Rouge Rotary (businessreport.com)

- Podcast: Lake Maurepas is a battleground for climate change mitigation (acs.org)
- House rejects bills targeting controversial Lake Maurepas carbon capture project | News | livingstonparishnews.com
- Lake Maurepas carbon project will proceed, House decides | Legislature | theadvocate.com

Maryland

- Maryland Microgrid Will Produce Hydrogen for County's Transit Fleet (Power)

Michigan

- Huge green hydrogen plant planned for Detroit (Investment Monitor)

Minnesota

- Minnesota needs carbon management to secure decarbonized future (MinnPost)

Mississippi

- How \$1 billion from Department of Energy could help create a green hydrogen hub in South MS (Sun Herald)

New York

- NYC skyscrapers turning to carbon capture to lessen climate change (West Hawaii Today)

North Dakota

- Port: Don't be fooled by anti-carbon pipeline hype (Jamestown Sun)
- UND Awarded \$38 Million Grant To Advance Carbon Capture at Coal Creek (KVRR)
- Sen. Cramer Announces \$38 Million Grant to the University of North Dakota (senate.gov)

Ohio

- Landing hydrogen hubs could shine national spotlight on Cleveland-Cliffs (The Toledo Blade)

Pennsylvania

- New Study Bolsters Case for Pennsylvania to Join Regional Greenhouse Gas Initiative - Inside Climate News
- Green steel could help rebuild America's Rust Belt (Canary Media)

South Dakota

- Carbon capture pipelines leading to friction with South Dakota landowners (KELO)

Texas

- Bayou Bend expands carbon capture to Jefferson, Chambers County | 12newsnow.com
- 4 Houston Companies Awarded Federal Funding to Expand Carbon Capture Infrastructure
- UT Scientist Joins White House Task Force on Carbon Capture and Storage (UTexas.edu)
- Louisiana chases clean energy projects, in stark contrast to Texas (houstonchronicle.com)

Utah

- [Steve Handy: Western hydrogen hub shows the way forward on energy — and politics too \(Salt Lake Tribune\)](#)

Vermont

- [Vermont clean heat bill becomes law as Legislature overrides governor's veto \(AP\)](#)

Virginia

- [Virginia's Jefferson Lab launches conference to build support for energy innovation and entrepreneurs \(Peninsula Chronicle\)](#)
- [VA Tech Joins Coalition To Create Mid-Atlantic Clean Hydrogen Hub, announces plans to build electrolyzer in state \(The Roanoke Star\)](#)

Wyoming

- [UW Lands \\$40.5M From Department of Energy for New CarbonSAFE Project](#)
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Upcoming events

June 6

- [Direct Air Capture Summit, hosted by Climeworks](#)
Climeworks' Direct Air Capture Summit is a one-of-a-kind platform featuring business, technology, scientists, and policy experts. Key players collaborating and discussing high-quality carbon removal solutions help drive the scale-up the industry needs. The fourth edition will focus on advancing high-quality carbon removal solutions that are net-negative, additional, verifiable, and permanent.

June 12-14

- [Carbon Capture & Storage Summit - 2023 Fuel Ethanol Workshop and Expo](#)
Capturing and storing carbon dioxide in underground wells has the potential to become the most consequential technological deployment in the history of the broader biofuels industry. Deploying effective carbon capture and storage at biofuels plants will cement ethanol and biodiesel as the lowest carbon liquid fuels commercially available in the marketplace. The Carbon Capture & Storage Summit will offer attendees a comprehensive look at the economics of carbon capture and storage, the infrastructure required to make it possible and the financial and marketplace impacts to participating producers.

June 19 - 21

- [Industrial Decarbonization: Manufacturing a Green Future \(techconnectworld.com\)](#)
Topics and application areas include Low GHG feedstocks and chemical processes, Hydrogen production processes, Low GHG heat and electricity sources, Electrical energy storage and application to industrial processes, Carbon capture and storage from industrial point sources, including bioenergy with CCS (BECCS), Case studies: Iron and steel, Chemicals & plastics, Cement, Aluminum, and Refining.

June 20-23

- [CUSP Annual Meeting - CUSP West](#)

The Carbon Utilization and Storage Partnership of the Western United States (CUSP-West) and Kansas Geological Survey are hosting the 6th annual Carbon Capture Utilization and Storage meeting in Kansas, June 20-22nd in Lawrence, Kansas

June 28 – 29

- [Carbon Capture Technology Conference & Expo North America 2023, Houston, USA \(ccus-expo.com\)](#)

The two-day event will bring together leading engineering firms, technology manufacturers and suppliers, energy firms, the oil and gas sector, heavy industry, chemical companies, various manufacturing organizations, research groups and NGOs, consultants, and government bodies to explore how we can rapidly accelerate the deployment and commercialization of carbon-removal technologies as a key solution on the pathway to net-zero carbon emissions.

July 24-26

- [CCS / Decarbonization Project Development, Finance & Investment - Presented by Infocast \(infocastinc.com\)](#)

This Summit will bring together project developers, emitters, providers of tax equity, development capital and cash equity to explain the latest developments, showcase critical market information, and provide an “inside view” from the perspectives of all the players in these deals. Let the experts show you how to take maximum advantage of available federal and state programs and incentives and other potential revenue streams and get what you need to make projects actually happen.

August 28-30

- [Hydrogen Hubs: Building a Financeable Value Chain - Presented by Infocast \(infocastinc.com\)](#)

The Summit will bring policymakers together with today’s leading hub development teams, technology providers and potential hydrogen offtakers ranging from ammonia to fertilizer producers to long-haul transportation to power plant operators—and more—to discuss procurements and development opportunities.

About the Regional Carbon Capture Deployment Initiative: The Regional Carbon Capture Deployment Initiative brings together state officials with diverse industry, NGO, labor, and other stakeholders to promote broad scale deployment of infrastructure for carbon management. The Initiative is staffed by the Great Plains Institute (GPI), a nonpartisan nonprofit working to transform the energy system to benefit the economy and environment.

Subscribe or request to add an event, news story, report, blog, or job posting to the update by reaching out to [Emma Thomley](#). Looking for more carbon management updates, studies, and fact sheets? Visit us at [Carbon Capture Ready](#) and read previous newsletters in our Action Alliance’s [newsletter archive](#).