



REGIONAL CARBON CAPTURE DEPLOYMENT INITIATIVE

UPDATE

June 2, 2023

Register for GPI's Upcoming Carbon Capture Co-Benefits Virtual Report Release and Webinar

Join Great Plains Institute and Carbon Solutions staff for an online webinar marking the release of a new report: *Carbon Capture Co-Benefits* on Wednesday, June 21 at 1 p.m. ET.

Carbon management is a developing industry that removes carbon dioxide at emission point sources, transports the carbon dioxide (CO₂), and stores it underground. In addition to carbon dioxide, point source emissions are often accompanied by other co-pollutants such as nitrogen oxides (NO_x), sulfur dioxide (SO₂), and particulate matter (PM). These co-pollutants have negative health impacts. This study evaluates the costs and benefits of capturing NO_x, SO₂, and PM, in seven industries across ten regions of the United States.

Register for the briefing [here](#).

North Dakota Approves Class VI Permit for Ethanol Carbon Storage Project

On May 25, the North Dakota Industrial Commission [granted approval](#) for the state's fourth carbon management project. The Commission, in conjunction with the Department of Mineral Resources, issued orders approving Blue Flint Ethanol to store CO₂ from their McLean County facility. In a joint statement, the Commission commended Blue Flint Ethanol for its efforts in submitting a well-prepared application and successfully securing over 91 percent of the leases within the storage unit. After the CO₂ is captured, it will be transported and stored in the nearby underground geologic Broom Creek Formation, with the potential to store [220,000 tons a year by the end of next year](#).

DOE Launches New Energy Earthshot Initiative Aimed at Decarbonizing Transportation and Industry

The U.S. Department of Energy (DOE) announced on May 24 the launch of the Clean Fuels & Products Shot, an initiative aiming to reduce greenhouse gas emissions (GHGs) from fuels and products in the industrial and transportation sectors. This is the seventh iteration of

DOE's Energy Earthshot initiative, which focuses on lowering carbon emissions through alternative sources of carbon to achieve a minimum of 85% lower GHG emissions by 2035. Read DOE's fact sheet on the initiative [here](#) and view their announcement [here](#).

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.

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

- [Carbon removal industry challenges findings of skeptical UN body | Reuters](#)
- [Boeing Bets On Startup Equatic With Massive CO2 Removal, Hydrogen Deal \(forbes.com\)](#)
- [Climate Groups Send Letter To Biden To Block All New Carbon Capture Pipelines \(carbonherald.com\)](#)
- [World must scale up CCUS for net zero, says IEA's Budinis \(pemedianetwork.com\)](#)
- [Global Thermostat and Sumitomo to form new global CCS business \(gasworld.com\)](#)
- [US Regulators Are Looking For Fraud In Carbon Markets \(carbonherald.com\)](#)
- [USA Steel Major Taps ExxonMobil for Carbon Capture | Rigzone](#)
- [Federal Hydrogen Program Is Cutting Out Local Groups, Threatening Climate Goals, Advocates Say - Inside Climate News](#)
- [CO2 pipeline opponents seek federal moratorium - Axios Des Moines](#)
- [Could the Northwest's basalt rocks help slow climate change? \(spokanepublicradio.org\)](#)
- [NETL Develops Pipeline Route Planning Database To Guide CO2 Transport Decisions | netl.doe.gov](#)

Global News

- [Klarna commits millions to several climate initiatives - ThePaypers](#)
- [Pilot trials for a carbon-capture process that combines VPSA and MOFs - Chemical Engineering \(chemengonline.com\)](#)

- [Petrobras Carbon Capture Project Helps Oil Giant Ramp Up Natural Gas Supply - Bloomberg](#)
 - [China's first offshore CCS demo project up and running - Offshore Energy \(offshore-energy.biz\)](#)
 - [Carbon Clean awards design contract for major carbon-capture project to KBR - Chemical Engineering \(chemengonline.com\)](#)
 - [CUR8 Raises £5.3M To Support Carbon Removals Industry | Crowdfund Insider](#)
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New podcasts, reports, statements & blogs

- [Turning commitment to action: Implementing the Inflation Reduction Act – Clean Air Task Force \(catf.us\)](#)
 - [DOE Announces Winners of the First Annual Carbon Management Collegiate Competition | Department of Energy](#)
 - [Carbon Storage Newsletter \(doe.gov\)](#)
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News in the States

Arkansas

- [Arkansas' Hydrogen Hub Plan Advances Nationally | Arkansas Business News | ArkansasBusiness.com](#)

California

- [Report: Californian carbon capture, storage viable economic option if more open economic model pursued - Daily Energy Insider](#)
- [Reports weigh carbon removal's prospects in Kern | News | bakersfield.com](#)
- [LLNL Study Concludes CO2 Projects Can Succeed Financially | Regional/CA News | independentnews.com](#)
- [New alliance aims to build support for carbon capture, rural economic opportunities | Agri-Pulse Communications, Inc.](#)

Colorado

- [Global Thermostat Attracts New Investor Sumitomo Corporation \(carbonherald.com\)](#)

Illinois

- [DOE Funding for Carbon Capture Projects Includes Springfield City Water, Light and Power Plant | American Public Power Association](#)

Iowa

- [Iowans call for more carbon capture pipeline safety regulations \(kcrg.com\)](#)
- [Federal Regulators Looking at Potential New Safety Rules for Carbon Dioxide Pipelines \(dtnpf.com\)](#)
- [GUEST COLUMN: Carbon capture pipelines crucial to ag economy \(wfcourier.com\)](#)
- [Moody County Enterprise | Room full for pipeline hearing](#)
- [Experts: Predicting CO2 pipeline rupture threats can be extremely costly - Iowa Capital Dispatch](#)

Louisiana

- [ExxonMobil, Nucor Ink Big Carbon Capture Deal \(forbes.com\)](#)
- [Guest column: Research on carbon capture risk is robust | Opinions and Editorials | nola.com](#)

New York

- [How Skyscrapers Turn Captured Carbon Dioxide Into Concrete \(popularmechanics.com\)](#)
- [NYSERDA Announces \\$15 Million for Fifth Round of Commercial and Industrial Carbon Challenge - NYSERDA](#)

North Carolina

- [3 App State graduate students win \\$25,000 award in sustainable business pitch competition | Appalachian Today](#)

North Dakota

- [Port: Pavlovian opposition to 'climate change' is what's making carbon pipeline construction difficult \(inforum.com\)](#)
- [Blue Flint carbon storage project receives approval \(bismarcktribune.com\)](#)
- [DAPL influenced Summit's CO2 pipeline route, analysis shows - Agweek | #1 source for agriculture news, farming, markets](#)
- [Carbon capture could mean more money for Coal Creek plant \(kxnet.com\)](#)
- [12ft | Speaking out: Liking the upside means accepting the downside](#)

Oklahoma

- [Texas operator selects Cushing, Okla for planned decarbonized refinery | Oil & Gas Journal \(ogj.com\)](#)

Pennsylvania

- [Storing hydrogen in coal may help clean energy economy, PSU researchers say - Pennsylvania Business Report \(pennbizreport.com\)](#)
- [Pittsburgh-area utilities and transit agencies are launching hydrogen pilots | Pittsburgh Post-Gazette](#)

South Dakota

- [New study focuses on the economic benefits of carbon capture pipelines | SDPB](#)
- [Study: Carbon pipelines could add nearly \\$6B to South Dakota economy \(argusleader.com\)](#)
- [SD farmers say Summit Carbon using 'intimidation' while surveying - Argus Leader](#)
- [Summit carbon solutions announces nugen as partner ethanol plant in south dakota | Krishak Jagat](#)
- [How might Summit Carbon Solutions' pipeline impact SD landowners? | SDPB](#)
- [Carbon Pipeline Firm Loses Bid To Hold Farmer In Contempt | Community | yankton.net](#)

Texas

- [Howard Energy Partners selected for funding opportunity through Carbon Capture Technology Program - BIC Magazine](#)
- [Drax to establish North American BECCS headquarters in Houston : Biofuels Digest](#)

Utah

- [WSP USA Completes Drilling Two Wells at Hydrogen Hub Designed for Curtailed Renewable Energy Use - Hydrogen Central \(hydrogen-central.com\)](#)
- [M-U Driller Northeast Natural Energy Believes Geothermal the Future | Marcellus Drilling News](#)

Wyoming

- [WITC welcomes new carbon-capture researchers \(Wyoming Business Report\)](#)
 - [Project Bison, a large carbon removal proposal, faces delays \(politicopro.com\)](#)
 - [Wyoming ITC Lands Corporate Tenants for Carbon Capture Projects - America's Electric Cooperatives](#)
 - [UW lands \\$40.5M from Department of Energy for the new carbonSAFE project \(wyomingnewsnow.tv\)](#)
 - [Carbon capture technology developers break ground at Wyoming ITC | World Coal](#)
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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 15

- [2023 Europe Forum on Carbon Capture & Storage - Global CCS Institute](#)
The event will feature insightful presentations from high-level representatives of the European Commission, including the Director General of DG Climate Action, Kurt Vandenberghe. Representatives with the Dutch Government, the Bank of America, Equinor, Imperial College London, the IEA and many more will be at the Forum to provide their lens and expertise on CCS. We will hold dynamic panel discussions unpacking CCS policy frameworks and financing mechanisms, and offer our attendees the opportunity to take part in Q&A and breakout group discussions.

June 19 - 21

- [Industrial Decarbonization: Manufacturing a Green Future \(techconnectworld.com\)](https://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 \(ccus-expo.com\)](https://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 \(infocastinc.com\)](https://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 \(infocastinc.com\)](https://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](#).