



REGIONAL CARBON CAPTURE DEPLOYMENT INITIATIVE

UPDATE

April 14, 2023

Save the Date for GPI's CO2NNECT 2023

Save the date for CO2NNECT 2023: 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

CO2NNECT will provide a space for open and productive dialogue to ensure carbon management technologies are deployed in a timely and responsible way. Community and worker benefits, infrastructure build out, public education, and thoughtful stakeholder engagement are some of the priority topics that will be addressed during CO2NNECT 2023. Anyone who is interested in carbon management technologies or would like to learn more about their role in addressing climate change and creating jobs is encouraged to attend. We welcome a broad range of perspectives and want to create a diverse and inclusive community of stakeholders.

For more information: [Save the Date: October 1 - 3 CO2NNECT 2023 - Carbon Action Alliance](#)

From the Industrial Innovation Initiative: How Hydrogen Hubs Will Support Jobs

Applications for the Regional Clean Hydrogen Hubs (H2Hubs) program were due April 7, marking the start of proposal review after months of activity at the state and regional levels. This fall, the US Department of Energy (DOE) will select six to ten hydrogen hubs that will provide the connective tissue for a national clean hydrogen network. Linking hydrogen producers with consumers and associated infrastructure, these hubs are an innovative chance to generate jobs and economic opportunities for communities and businesses around the country.

Read more: [How Hydrogen Hubs Will Support Jobs \(industrialinnovation.org\)](#)

Read the Carbon Action Alliance's Introductory Blog on Carbon Management and Climate

In their most recent blog, GPI's newest carbon management initiative explores what carbon capture, utilization, transport, storage, and removal are and how they fit into the bigger picture of climate action.

Read the blog: [Carbon Management Will Play Critical Role in Addressing Climate Crisis](#)

Third Way and Breakthrough Energy release report, 'Impact of IRA, IJA, CHIPS, and Energy Act of 2020 on Clean Technologies

This month, Breakthrough Energy and Third Way released a report by Boston Consulting Group exploring the impact of recent federal legislation on clean energy technology deployment and remaining challenges.

The report found that by "pairing these tax credits [passed through the Inflation Reduction Act] with ~\$12B in funding for commercial projects & transport/storage infrastructure will make the US a global leader in CCUS with 85-170 Mtpa deployed by 2030, up from ~20 Mtpa today and 50-55 deployed by 2030 pre-legislation." The report also found that the buildout of carbon management technologies will allow for the creation of domestic manufacturing hubs and expertise developing carbon capture projects, with the potential to create 100,000 jobs by 2050 and increase annual export potential.

You can view the report [here](#).

Stayed Tuned: Carbon Capture Coalition to Release its Federal Legislative Blueprint

The Great Plains Institute's [Carbon Capture Coalition](#) will release its 2023 federal legislative blueprint with policy recommendations for this year's Congressional session on April 24. The Coalition's latest blueprint builds on the past year's historic climate legislation. The Inflation Reduction Act enacted in 2022 drives an [estimated \\$369 billion](#) in investments to clean energy and climate priorities, and it comes on the tailwinds of additional funding from the Bipartisan Infrastructure Law.

The Coalition's Blueprint will look at how lawmakers can build on this momentum to support the development of carbon management projects and infrastructure. In an upcoming blog post, we'll break down what these policy recommendations mean for the public in this crucial moment in climate mitigation. Stay tuned for this blog in the next newsletter.

For more information on carbon management, hydrogen, and low-carbon procurement legislation under consideration in states across the US, [click here](#).

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 last week's digest, please check your spam filter. For real-time updates on what bills are moving, check the [legislative tracker](#).

News Roundup

- [JPMorgan and H&M join tech giants in buying \\$1 billion of carbon dioxide removal \(CNBC\)](#)
 - [Midwest CO2 pipelines push ahead as bills fizzle \(E&E News\)](#)
 - [Why US supermajors are working to drive down carbon capture costs even after boost in tax credits \(Upstream Online\)](#)
 - [Chart Industries and Wolf Carbon Solutions expand MOU on Carbon Capture Utilization and Storage Projects along Mt. Simon Hub System to include Howden Equipment \(yahoo.com\)](#)
 - [Will Occidental's Billion-Dollar Carbon Capture Bet Pay Off? | OilPrice.com](#)
 - [Arkansas, other states and companies compete for billions to make hydrogen | KATV](#)
 - [Southeast Hydrogen Hub Coalition Submits Formal Application for Funding to the U.S. Department of Energy | Business Wire](#)
 - [7 Northeast states submit \\$1.25B proposal for federal hydrogen hub | Utility Dive](#)
 - [Midwest Alliance for Clean Hydrogen applies for DOE Regional Clean Hydrogen Hub](#)
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Global News

- [BP buys stake in Harbour Energy carbon capture project - Power Technology](#)
 - [Linde and Heidelberg Materials Announce Large-Scale Carbon Capture Project - EIN Presswire \(einnews.com\)](#)
 - [Offshore energy, shipping look to CCS and alternative fuels as they ramp up decarbonization efforts](#)
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New podcasts, reports, statements & blogs

- [New BPC Case Study Points to Successful Model for Energy Project Community Engagement | Bipartisan Policy Center](#)
- [E&Ps Look to Build Carbon Management Industry - FactSet Insight](#)
- [Noya Receives \\$11M Investment To Develop Direct Air Capture Tech \(carbonherald.com\)](#)

- [Bioenergy with Carbon Capture and Sequestration \(BECCS\) » Babcock & Wilcox](#)
 - [A lot at state: CATF's new state policy program aims to accelerate U.S. climate action – Clean Air Task Force](#)
 - [NETL Data Portal To Accelerate Completion of Permit Applications for Carbon Storage | netl.doe.gov](#)
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News in the States

California

- [Could removing carbon from the ocean be a climate change solution? \(LA Times\)](#)
- [An L.A. Startup Aims To Turn The Oceans Into A CO2 Sponge And 'Green' Hydrogen Machine \(Forbes\)](#)

Colorado

- [Direct air capture demonstration plant opens in Colorado, lacks CO2 sequestration](#)

Illinois

- ['Unacceptable risk' or safe solution? CO2 pipeline proposal faces fierce debate in Peoria \(Journal Star\)](#)
- [McLean County Prepares For Arrival Of Carbon Capture Technology \(carbonherald.com\)](#)

Iowa

- [Company touts carbon pipeline as safest transportation option - Iowa Capital Dispatch](#)
- [Judge's ruling stops short of allowing Navigator to survey Sioux Rapids property \(siouxcityjournal.com\)](#)
- [Iowa Counties Swept Up In Carbon Pipeline Dispute - Law360](#)
- [Navigator Heartland Greenway files suit over Bremer County pipeline ordinance \(wfcourier.com\)](#)

Louisiana

- [This company has hired 25 lobbyists for the Louisiana legislative session | New Orleans CityBusiness](#)
- [EPA Could Allow Louisiana To Issue Carbon Capture Permits | Baton Rouge \(enews.com.ng\)](#)

North Dakota

- [New group voices concerns over Summit's CO2 pipeline, launches petition](#)

Pennsylvania

- [A Significant First Step For Pa. Carbon Capture Programs - Law360](#)

South Dakota

- [PUC sets discovery response deadline for Summit Carbon Solutions pipeline project at 10 business days | DRGNews](#)

Texas

- [The Texas Legislature Must Act To Protect The State's Potential CCUS Prize \(Forbes\)](#)
- [Questions remain for Peoria City Council as BioUrja weighs participation in carbon capture pipeline project | WCBU Peoria](#)
- [The Texas Legislature Must Act To Protect The State's Potential CCUS Prize \(forbes.com\)](#)
- [Cemvita Launches Pilot eCO₂ Production Plant In Texas \(carbonherald.com\)](#)

West Virginia

- [West Virginia Hydrogen hub project submits federal application - Weirton Daily Times](#)

Wyoming

- [NETL Director Anderson Participates in University of Wyoming's National Lab Day | netl.doe.gov](#)
- [Lily Barkau Selected for CEQ's Carbon Capture, Utilization, and Sequestration Task Force | News | thecheyennepost.com](#)
- [State, partners apply for over \\$1B for hydrogen economy | Wyoming | gillette newsrecord.com](#)
- [Cemvita Launches Pilot eCO₂ Production Plant In Texas \(carbonherald.com\)](#)

Upcoming events

April 18

- [What's Next for CCUS? | Bipartisan Policy Center](#)
The deployment of Carbon Capture, Utilization, and Storage (CCUS) is poised to significantly accelerate following recent policy support from the Bipartisan Infrastructure Law and the Inflation Reduction Act. These new programs have catalyzed a number of prominent commercial announcements for new projects across the United States. Despite this progress, uncertainties surrounding regulatory frameworks and business models remain a challenge for some CCUS applications. Featuring a keynote address by Rep. Garret Graves (R-LA) and fireside chat with ExxonMobil Low Carbon Solutions President Dan Ammann, join the Bipartisan Policy Center and CCUS industry thought leaders on April 18 for a conversation about where the industry is headed and what challenges remain to widespread deployment.

April 25 – 27

- [Carbon, Capture, Utilization, and Storage \(CCUS\) 2023](#)
This in-person event will unite AAPG, SPE, and SEG and highlight current CCUS work and address related challenges, including Subsurface Geologic Storage, CO₂ Enhanced Hydrocarbon Recovery, Reservoir Monitoring and Risk Assessment, Case Studies, Industry Applications, Economics, Incentives, and Policy Infrastructure, Non-technical considerations

April 28

- [Community Benefits in Carbon Capture: Can you Measure Environmental Justice? | Carbon Solutions, LLC](#)

Erin Middleton, Director of Energy Equity at Carbon Solutions, LLC will be presenting on the community benefits within carbon capture and how those benefits pertain to environmental justice

May 9

- [2023 D.C. Forum on CCS - Global CCS Institute](#)

The Global CCS Institute will hold its 11th Annual D.C. Forum on Carbon Capture and Storage in Washington D.C. and online. The D.C. Forum is an opportunity for policymakers, industry leaders, NGOs, journalists, and financial institutions, to gather and discuss the rise of CCS, as well as the urgency of increasing support for the enabling conditions needed to take it to scale.

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.

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](#).