



## REGIONAL CARBON CAPTURE DEPLOYMENT INITIATIVE

# UPDATE

February 3, 2023

## Follow State Carbon Management Legislation through GPI's Weekly Report

State legislative sessions have kicked off, with some states already enacting legislation related to carbon management and industrial decarbonization.

The weekly Regional Carbon Capture Deployment Initiative updates will now include a link to a 2023 carbon management and industrial decarbonization-related legislation that has been introduced in legislative sessions around the country. These reports include information on bill title, number, status, last action and more. The report will be updated as the legislative sessions continue, we identify more relevant bills, and refine the bill descriptions. Find a summary of relevant legislation below and read more bill updates in our [legislative tracker](#).

This week's featured bills include:

- **New Mexico: HB 174** would create an underground injection fund of which \$1,000,000 would be available in 2024 for the energy, minerals and natural resources department to hire employees for the state's underground injection control program and to help the state in applying for Class VI primacy. (*Out of committee*)
- **Indiana: HB 451** would ensure that the ownership of pore space of a state carbon capture pilot project, would be vested in the surface owner. The bill would also require the project operator to notify pore space owners and offer to purchase or lease the pore space. (*Introduced*)
- **West Virginia: HB 2814** would create a hydrogen power task force. (*Introduced*)

Bills previously referenced in the update include:

*Enacted*

- **WV: SB 161** would allow the state's Department of Natural Resources to lease or sell the property within its control, with approval from the Department of Commerce.
- **WV: SB 162** would allow the state's Department of Natural Resources to "lease state-owned pore spaces underlying state forests, natural and scenic areas, wildlife management areas, and other lands under the jurisdiction and control of the director" for carbon storage.

*Introduced*

- **AK: HB50** authorizes the Alaska Oil and Gas Conservation Commission to seek Class VI primacy from EPA.
- **CO: SB 23-016** would establish a few considerations related to Class VI wells used for the geologic storage of carbon dioxide.
- **ND: SB 2209, SB 2212, SB 2228, SB 2251, SB 2310, and SB 2313** (*mainly address voluntary easements and private property rights of landowners*)

Read RDI's [legislative update](#) to see all tracked bills related to carbon management.

## DOE announces over \$130 million in Carbon Management Funding

The U.S. Department of Energy (DOE) awarded \$131 million for Funding Opportunity Announcements (FOAs) for 33 research and development projects to advance the wide-scale deployment of carbon management technologies. The projects will address CO<sub>2</sub> capture at industrial and power facilities and assess sites for potential CO<sub>2</sub> storage. DOE is awarding funding for the following programs:

**Carbon Management Awards:** DOE will be investing \$38 million in 22 projects under the Carbon Management Funding Opportunity Announcement. These projects will develop capture technologies in industry, power, and DAC, as well as in CO<sub>2</sub> transport, storage, and conversion. Projects will focus on commercial viability and technical gaps in the technology, and will also examine their environmental and community impacts. A detailed list of the selected carbon management projects can be found [here](#).

**CarbonSAFE Awards:** DOE will be investing \$93 million in 11 projects under the CarbonSAFE: Phase II - Storage Complex Feasibility Funding Opportunity Announcement. These projects will work to improve procedures to safely, efficiently, and affordably assess both onshore and offshore CO<sub>2</sub> project sites for commercial-scale storage. A detailed list of the selected CarbonSAFE projects announced today can be found [here](#).

You can view DOE's full press release announcing this funding [here](#).

## Register Now for the Industrial Innovation Initiative's Upcoming Webinar: Industrial Decarbonization 101 Centering Solutions for States Hosts

With the recent influx of federal funding from the Bipartisan Infrastructure Law and Inflation Reduction Act, states have ample opportunity to create the regulatory and policy landscape necessary to support decarbonization in a way that benefits the environment and local economies.

Join the Industrial Innovation Initiative on February 15 at 11:00 AM CT for a high-level overview of the industrial sector, its emissions, and the solutions states can support to enable urgent and equitable emissions reductions, followed by a moderated audience Q&A. I<sup>3</sup> is delighted to be joined by several of the Initiative's industry and policy experts, including:

- **Suzanne Cafilisch**, State Policy Advisor on Industrial Transformation, BlueGreen Alliance
- **Angela Seligman**, Ph.D., Senior Manager, U.S. State Policy and Advocacy, Clean Air Task Force
- **Kareem Hammoud**, Senior Policy Analyst, U.S. Climate Alliance
- **William Swetra**, Senior Policy Advisor, Oxy Low Carbon Ventures
- **Jacqueline Clark**, Western U.S. Region, Government Relations & Public Affairs, Holcim U.S.
- **Rick Johnson**, Director, Sustainability, Entergy

## Standard Lithium tests Carbon Capture Pilot Project at Arkansas Facility

Standard Lithium Ltd. [announced](#) on Tuesday that it has installed carbon capture technology at Mission Creek's natural gas processing plant in Arkansas and will assess how well the technology can capture carbon dioxide from natural gas burning flue emissions. The results from this pilot project will help support future capture projects as the company explores how to integrate carbon capture into its work, including through geologic storage.

## Carbon Capture Coalition Announces New Executive Director:

On Monday, the Carbon Capture Coalition announced that Jessie Stolark has been hired as the Executive Director of the Coalition. Stolark, who was previously the Public Policy and Member Relations Manager for the Coalition, is only the second person to fill the Executive Director role. She succeeds Brad Crabtree, who was appointed Assistant Secretary for Fossil Energy and Carbon Management at the U.S. Department of Energy in 2022.

In her new role, Jessie will lead and work alongside the Coalition team of staff and consultants, governance board, and industry, NGO and labor members to fulfill our mission of fostering economywide deployment of carbon management — which includes carbon capture, removal, transport, use, and storage — to meet midcentury climate goals, foster domestic energy and industrial production, support and expand a high-wage jobs base, and improve the environmental health of and economic benefits to affected communities.

You can view the full press release on the announcement [here](#).

---

## News Roundup

- [Competition heats up for U.S. direct air capture program - E&E News \(eenews.net\)](#)
- [‘Tremendous urgency’ drives ExxonMobil towards CCS goals, says low carbon boss | Upstream Online](#)
- [ExxonMobil Advances Major Low-Carbon Hydrogen Hub At Baytown \(forbes.com\)](#)
- [ExxonMobil Awards FEED for World’s Largest Low-Carbon Hydrogen Facility- Business Wire](#)
- [Competition heats up for U.S. direct air capture program - E&E News \(eenews.net\)](#)
- [DOE Funding Opportunity Targets Clean Hydrogen Technologies | American Public Power Association](#)
- [Biden-Harris Administration Announces \\$47 Million to Develop Affordable Clean Hydrogen Technologies - Hydrogen Central \(hydrogen-central.com\)](#)
- [Opinion: Carbon capture and storage are key to a sustainable transition \(yahoo.com\)](#)
- [US awards \\$93mn to carbon storage projects | Argus Media](#)
- [Energy majors and LedaFlow set up carbon capture and storage research consortium - Offshore Energy \(offshore-energy.biz\)](#)
- [Carbon Capture Coalition appoints Stolark as Executive Director \(gasworld.com\)](#)
- [Inside three companies working on the future of carbon capture \(fastcompany.com\)](#)
- [U.S. pledges \\$131M to reduce carbon dioxide pollution | UPI, January 30](#)

---

## Global News

- [UK: Spirit Energy launches plan for carbon storage cluster \(energy-pedia.com\)](#)
- [PETRONAS, Exxon Mobil to pursue two CCS projects in Malaysia | World Oil Jan 27https://worldoil.com/news/2023/1/27/petronas-exxon-mobil-to-pursue-two-ccs-projects-in-malaysia/?mc\\_cid=5286192f1e&mc\\_eid=UNIQID](#)
- [With carbon capture on an industrial scale, Norway plans for a greener future](#)
- [Germany's Expansion Opens H2Med Corridor For Nuclear-produced Hydrogen \(worldnationnews.com\)](#)

- [Air Liquide and TotalEnergies to develop 100 hydrogen stations \(h2-view.com\)](#)
- [UK: Spirit Energy launches plan for carbon storage cluster \(energy-pedia.com\)](#)
- [Japan Sets Carbon Capture Target Of 6 To 12 Million Tons By 2030 \(carbonherald.com\)](#)
- [Equinor Awards Linde With Contracts For H2H Saltend Hydrogen Project \(carbonherald.com\)](#)
- [Ross Energy Strikes Partnership With Fidelis New Energy For CO2 Storage In Denmark | Carbon Herald Jan 30](#)

---

## New podcasts, reports, statements & blogs

- [OLI Systems launch new CO2 Transportation App to improve CCUS process design and asset reliability. \(yahoo.com\)](#)
- [Underground CO2 Storage: A Safe Solution to Climate Change? \(azocleantech.com\)](#)
- [Energy Transition Trends To Watch In 2023 \(forbes.com\)](#)

---

## News in the States

### Alaska

- [Governor Dunleavy Introduces Carbon Management and Monetization Bills Creating Statutory Structures - Alaska Native News \(alaska-native-news.com\)](#)

### Arkansas

- [Standard Lithium Installs Carbon Capture Pilot Plant, Testing Novel Technology to Limit Emissions and Advance Sustainability - EIN Presswire \(einnews.com\)](#)

### California

- [Linde to Increase Green Hydrogen Production in California \(yahoo.com\)](#)
- [Bay Area Inno - Berkeley startup Capture 6 raises \\$6.25 million to bring carbon capture to desalination plants \(bizjournals.com\)](#)

### Illinois

- [New CO2 Capture Pilot Project Launches in Springfield, Illinois- Carbon Herald](#)
- [Navigator withdraws Illinois carbon pipeline application but plans to refile - Mitchell Republic | News, weather, sports from Mitchell South Dakota](#)

### Indiana

- [One Carbon Partnership launched to develop CCS project in Indiana, Gas World, January 30](#)
- [Joint Venture to focus on carbon capture in Union City- Inside Indiana Business](#)
- [Cardinal Ethanol and Vault 44.01 Form Joint Venture to Implement a Carbon Capture and Sequestration Project in Indiana | Business | valdostadailytimes.com](#)

## Iowa

- [Iowa farmers to lawmakers: Block eminent domain for CO2 pipelines \(desmoinesregister.com\)](#)
- [Five bills aimed at pipeline eminent domain | News | nwestiowa.com](#)
- [Summit Carbon Solutions announces progress in Iowa | EthanolProducer.com](#)
- [Company says it has deals for two-thirds of proposed carbon capture pipeline across Iowa | News | kimt.com](#)

## Louisiana

- [Press Release | Press Releases | Newsroom | U.S. Senator Bill Cassidy of Louisiana \(senate.gov\)](#)
- [Livingston agrees to drop moratorium against injection wells | Courts | theadvocate.com](#)
- [Louisiana Tops \\$20B in Investment for Second Year - Biz New Orleans](#)
- [Gov. Edwards Celebrates First Year of Statewide Climate Action | Office of Governor John Bel Edwards \(louisiana.gov\)](#)
- [Louisiana Carbon Storage Projects Surging on Fatter Tax Breaks and Blue Fuel Visions \(spe.org\)](#)
- [LSU First to Offer CCUS Concentration \(yahoo.com\)](#)

## Michigan

- [University of Michigan could help develop one of four DOE-funded large-scale carbon capture factories \(michiganradio.org\)](#)

## Minnesota

- [A guide to the Minnesota DFL's 100% carbon-free standard \(sctimes.com\)](#)
- [Minnesota House passes bill requiring carbon-free electricity by 2040 - Austin Daily Herald | Austin Daily Herald](#)
- [Does Minnesota's 100% bill do enough for environmental justice? | Energy News Network](#)
- [Letter: Preserving the ethanol industry is a must for Minnesota - The Globe | News, weather, sports from Worthington, Minnesota \(dglobe.com\)](#)

## New Jersey

- [Office of the Governor | Governor Murphy Signs Legislation to Incentivize Decarbonization of Concrete Industry \(nj.gov\)](#)

## New Mexico

- [Carbon sequestration bill passes House Energy, Environment and Natural Resources Committee | NM Political Report](#)
- [North Dakota landowners at odds in carbon pipeline plans \(ctpost.com\)](#)

## North Dakota

- [ND legislative hearings on CO2 pipeline bills draw big crowds; eminent domain the main issue - InForum | Fargo, Moorhead and West Fargo news, weather and sports](#)
- [North Dakota Landowners at Odds in Carbon Pipeline Plans \(usnews.com\)](#)
- [North Dakota sets 4 hearings on Summit Carbon pipeline - Agweek | #1 source for agriculture news, farming, markets](#)

### **Pennsylvania**

- [Opportunities on the horizon for Pennsylvania's energy sector | Opinion - pennlive.com](#)

### **South Dakota**

- [Carbon capture pipeline prepares ethanol industry for the future \(aberdeennews.com\)](#)

### **Texas**

- [Federal funding supports carbon storage ambitions at Texas port - UPI.com](#)
- [UH energy institute director sees Permian as energy transition leader \(mrt.com\)](#)
- [Ozona Reaches Agreement to Lease Pore Space for Cost Effective Long-Term Sequestration of Carbon Dioxide \(yahoo.com\)](#)
- [US DOE awards Port of Corpus Christi with \\$16.4M in CarbonSAFE grants - Offshore Energy \(offshore-energy.biz\)](#)

### **West Virginia**

- [First two bills completed in West Virginia Legislature's 2023 session | | wwnews.com](#)
- [POLITICO Pro Q&A: Sen. Shelley Moore Capito \(senate.gov\)](#)

### **Wyoming**

- [UW Receives DOE Funding for Carbon Project in Pacific Northwest | News | University of Wyoming \(uwyo.edu\)](#)

---

## **Upcoming events**

### **February 3**

- [NETL's Updated Performance and Cost Estimates for Power Generation Facilities Equipped with Carbon Capture](#)

The National Energy Technology Laboratory recently updated its study titled Cost and Performance Baseline for Fossil Energy Plants, Volume 1: Bituminous Coal and Natural Gas to Electricity. This study presents an independent assessment of the performance and cost for state-of-the-art fossil energy power systems using a systematic, transparent technical and economic approach. Each plant is presented both with and without carbon capture. The primary purpose of this revision is to update the performance and cost assumptions for the solvent-based post-combustion capture systems used with natural gas combined cycle (NGCC) and pulverized coal (PC) plants, based on a 2021 vendor quote.

## February 6

- [The National Tribal Energy Roundtable, Webinar #4: Hydrogen, Ammonia, and Clean Fuels of the Future](#)

In Indian Country, some lack the basic human essentials like electricity or running water and many lack clean and freely accessible water. So, as we discuss clean fuels and our clean fuel future, it is a bit bittersweet. No matter our situation, our Nation and the World are ready to move in the direction of developing and using new sources of clean and cleaner fuels for power generation, transportation, and for uses we have not even thought of as of yet. Some of those fuels, like Hydrogen, Ammonia, and Methanol exist today and have existed within our fuels system since the beginning yet are getting new attention due to their potential for less emissions or even zero emissions. We aim to discuss these and other issues relating to clean and cleaner fuels and how their development and use will impact Indian Country.

## February 7-10

- [NASEO 2023 Energy Policy Outlook Conference | Energy Policy Outlook Conference 2023](#)

Join top state and federal energy policymakers, private sector leaders, and other change makers from around the country in Washington, D.C. for the NASEO 2023 Energy Policy Outlook Conference. This year's theme is "*Clean Energy Abundance: An Economic and Climate Advantage*" and will feature in-depth discussions of the critical investments needed for decarbonized, affordable, and resilient electricity, transportation, and buildings systems, as well as the latest developments from Congress and the Administration.

## February 15

- [Industrial Decarbonization 101: Centering Solutions for States](#)

What is industrial decarbonization? This webinar will help answer that question for state decision-makers and advocates seeking to cut emissions from essential industrial sectors such as cement, steel, and chemicals as a starting point for policy development and planning.

The Industrial Innovation Initiative brings together leaders from across industry, labor, and environmental NGOs to advance solutions central to driving emissions reductions in the US industrial sector. Join our members for an opportunity to learn about the industry, its emissions, and the solutions states can support to enable urgent and equitable decarbonization.

## February 22

- [World Hydrogen Blue, CCS & Pyrolysis — World Hydrogen Leaders](#)

As the innovation and scope of projects around blue hydrogen and carbon capture and storage (CCS) continues, join World Hydrogen Leaders for our second edition of our virtual World Hydrogen Blue, CCS & Pyrolysis conference, where we will assess the market



conditions and roadmap for everything blue and turquoise. During the event, we will look to discover technological advantages in the development of CCS technology, the role blue hydrogen will play in transforming the highly successful existing natural gas industry, policy and regulatory frameworks for the production and export of blue hydrogen, and the applications and economics of producing solid carbon through pyrolysis.

### February 23

- [Reaching Zero: Pathways to Decarbonize the US Electric System with CCS](#)  
Richard Middleton, CEO of Carbon Solutions LLC, will be presenting on the Pathways to Decarbonize the US Electric System with CCS.

### March 6-10

- [CERAWeek S&P Global](#)  
CERAWeek brings together global leaders to advance new ideas, insight and solutions to the biggest challenges facing the future of energy, the environment, and climate. CERAWeek is widely considered to be the most prestigious annual gathering of CEOs and Ministers from global energy and utilities, as well as automotive, manufacturing, policy and financial communities, along with a growing presence of tech.

**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](#).*