



**REGIONAL  
CARBON  
CAPTURE  
DEPLOYMENT  
INITIATIVE**

# UPDATE

March 11, 2022

## Federal Omnibus Includes Funding for CCUS projects in WV, CO, AK, LA

On Wednesday night the House passed a \$1.5 trillion omnibus spending package. Building off the unprecedented investments made in the bipartisan infrastructure law, including fully funding the 2020 Energy Act, the FY2022 omnibus includes modest, yet crucial increases for the core carbon management programs at the Department of Energy.

In total, the bill includes over \$45 million in increased funding for carbon capture, removal, utilization, and storage technologies, over \$20 million of which will fund state fossil energy and carbon management projects in West Virginia, Colorado, Arkansas, and Louisiana.

Additionally, the package includes a \$2 million increase over FY2021 to expand capacity for the Class VI program at the Environmental Protection Agency. This package is a critical investment to bolster efforts to permit Class VI geologic storage wells and review state primacy applications in a program which has been historically underfunded.

For more specifics on federal funding for carbon capture in the Omnibus Bill, read the [Carbon Capture Coalition's](#) statement [here](#).

### Congressionally Directed Spending to State Fossil Energy and Carbon Management Projects (amounts in Thousands)

Project Name	State	Amount Provided
Coal Communities Regional Innovation Cluster	West Virginia	4,000
Coal Mine Methane Solutions	Colorado	1,200
Emergency Backup Generator	Arkansas	540
Enhanced Outcrop Methane Capture	Colorado	2,500

FEED Study for the implementation of a Carbon Capture and Sequestration System	Louisiana	9,000
Mercer County Gas Line Extension	West Virginia	2,959

## Legislative Highlights

- **Utah** passed [HB 244](#), *Geological Carbon Sequestration Amendments*, this week and the bill heads to the governor's office for final approval. The bill authorizes the Division of Oil, Gas, and Mining and the Board of Oil, Gas, and Mining to establish regulations for the geologic storage of carbon.
- **Alabama** passed [SB 36](#), on Feb 22, which amends sections of the Alabama Code. The Bill further defines gas to include carbon oxides, ammonia, and hydrogen gases and specifies the board's authority to regulate the operation and abandonment of underground storage facilities. It establishes that the underground storage of carbon oxides, ammonia, and hydrogen are in the public interest of the state.

Bills previously referenced in the update include:

- **Indiana:** [HB 1209](#), *Carbon sequestration projects*,
- **Maryland** [HB 1366](#), *Zero-Emission Energy Resources and Carbon Capture, Use, and Sequestration – Renewable Energy Portfolio Standard and Study*,
- **Minnesota** [SF 3661](#), *State policy supporting the deployment of carbon capture and sequestration technologies establishment*,
- **South Dakota:** [HB 1120](#), *Include carbon dioxide and carbon dioxide capture companies in certain provisions regarding pipeline taxation*,
- **West Virginia:** [HB 4491](#), *To establish requirements for carbon dioxide sequestration*
- **Wyoming:** [SF 47](#), *Carbon storage and sequestration-liability*.

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

## Louisiana, Oklahoma, and Arkansas to Partner on Hydrogen Hub

Yesterday Governors of Louisiana, Oklahoma, and Arkansas [announced](#) their states will collaborate to establish a regional hub for the development, production, and use of clean hydrogen. The three states will work together to compete for funding from the Infrastructure Investment and Jobs Act (IIJA) which allocates \$8 billion towards four regional hydrogen hubs.

The agreement notes that the states have abundant resources for hydrogen production and that being selected as a hub will help them repurpose resources jobs and infrastructure to help lead the country's clean energy transition.

#### Associated News:

- [Louisiana, Arkansas, Oklahoma join hydrogen hub chase | AP News](#)[Louisiana, Oklahoma and Arkansas announce hydrogen partnership \(katc.com\)](#)
- [Oklahoma partners with Arkansas and Louisiana to create clean hydrogen hubs – FOX23 News](#)
- [Louisiana, Oklahoma, & Arkansas – Hydrogen Partnership - STL.News](#)

## Deadline Extended for DOE Hydrogen Hubs RFIs

The RFI Responses are due March 21, 2022, by 5 p.m. Eastern Time.

- [Clean Hydrogen Electrolysis Program \(RFI\)](#)
- [Clean Hydrogen Manufacturing and Recycling \(RFI\)](#)
- [Regional Clean Hydrogen Hubs \(RFI\)](#)

## Data from Illinois Basin carbon storage project are now available

The Illinois Basin – Decatur Projects (IBDP) released datasets from their carbon capture and storage project at the Archer Daniels Midland (ADM) facility in Decatur Illinois, demonstrating the safe geologic storage of carbon dioxide. The project began in 2007 as part of one of seven [USDOE NETL Regional Carbon Sequestration Partnerships](#) formed to evaluate the safety and effectiveness of CO<sub>2</sub> geological storage as a mitigation tool to address global climate change.

Over the past three years, one million tons of CO<sub>2</sub> were captured from ADM's ethanol production plant and injected more than two km deep into Mount Simon Sandstone in the Illinois Basin.

A subset of the data is available on the [CO2DataShare open access portal](#), and the full datasets are available on the [U.S. Department of Energy's EDX system](#). The data covers pre-injection site characterization, injection and monitoring, and post-injection.

- [CO2Datashare releases datasets from the Illinois Basin – Decatur Project - #SINTEFblog](#)
- [Data from landmark Illinois Basin carbon storage project are now available | Illinois](#)

---

## News Roundup

- [E&E News | Article | 'Fierce competition' as states vie to host U.S. hydrogen hub \(politicopro.com\)](#)
- [CCUS hubs to force upstream change | Argus Media](#)

- [DOE Projects Zero Emissions Medium- and Heavy-Duty Electric Trucks Will Be Cheaper than Diesel-Powered Trucks by 2035 | Department of Energy](#)
  - [Global CO2 emissions rebounded to their highest level in history in 2021 - News - IEA](#)
  - [E&E News | Article | Lawmakers release fiscal 2022 spending deal \(politicopro.com\)](#)
  - [Carbon Capture Takes Center Stage, But Is Its Promise an Illusion? - Inside Climate News](#)
  - [The Future of Biobased and Captured Carbon in the Personal Care Industry \(covalo.com\)](#)
  - [Why utilities didn't join the Supreme Court case against EPA - E&E News \(eenews.net\)](#)
  - [New CCUS Hub platform launched to support carbon reduction | News | gasworld](#)
  - [Mitsubishi highlights four hydrogen projects at CERAWEEK \(power-eng.com\)](#)
  - [Four Rocky Mountain States Proposing Regional Hydrogen Hub - Natural Gas Intelligence](#)
  - [The head of the Energy Department's loans office is a key player in Biden's climate agenda - The Washington Post](#)
  - [LanzaTech going public via SPAC - Green Car Congress](#)
- 

## Global News

- [New partnership to leverage hydrogen and drive zero carbon aviation - Smart Energy International \(smart-energy.com\)](#)
  - [Study to research opportunity of carbon capture & storage for WA | Mirage News](#)
  - [Emissions Reduction Alberta commits \\$2M to four carbon capture projects - Canadian Biomass Magazine](#)
  - [E&E News | Article | Trudeau environment czar banks on carbon capture and EV push \(politicopro.com\)](#)
  - [Climate Hawks Fracture on CCS Subsidy, McKenna Questions Tax Credit as Federal Budget Looms - The Energy Mix](#)
  - [Santos starts FEED at new CCS project \(miningweekly.com\)](#)
  - [QatarEnergy sets 'aggressive target' to scale up CCS and solar power by 2035 | Upstream Online](#)
  - [NUS researchers find way to store CO2 beneath the ocean floor | The Straits Times](#)
- 

## New podcasts, reports, statements & blogs

- [Energy Sector Could Lead the Way on Carbon Capture | Morgan Stanley](#)
- [IBM's Carbon Capture Research Effort Validates Hybrid Cloud Model \(techspective.net\)](#)
- [A primer on carbon capture tech, which is netting billions in investment \(morningbrew.com\)](#)
- [Every Molecule Counts | OILWOMAN Magazine](#)
- [Carbon dioxide will have to be removed from air to achieve 1.5C, says report | Carbon offsetting | The Guardian](#)

- [Mind the Gap: How Carbon Dioxide Removals Must Complement Deep Decarbonisation to Keep 1.5°C Alive \(energy-transitions.org\)](#)
- 

## News in the States

### Arizona

- [Air Products to Build Green Liquid Hydrogen Production Facility in Arizona](#)

### Arkansas

- [Louisiana, Oklahoma and Arkansas announce hydrogen partnership \(katc.com\)](#)

### California

- [Kern launches California's first carbon capture project review | News | bakersfield.com](#)
- [Fighting climate change with carbon capture and utilization technologies | News \(ucr.edu\)](#)

### Connecticut

- [Green Seas: Three takeaways from our roundtable with shipowners on ESG | TradeWinds \(tradewindsnews.com\)](#)

### Illinois

- [Coalition voices concerns about proposed CO2 pipeline in Illinois | wqad.com](#)
- [Advocates Elevate Concerns Over Navigator CO2 Ventures' Proposal to Transport High-Pressure, Liquefied CO2 Through 13 Illinois Counties | RiverBender.com](#)

### Iowa

- [CO2 pipeline explained | KELOLAND.com](#)
- [Filings: Midwest carbon pipeline, with a terminal in North Dakota, has secured less than 2% of key Iowa route - InForum | Fargo, Moorhead and West Fargo news, weather and sports \(wctrib.com\)](#)
- [Carbon pipeline developer has just 2% of needed Iowa land easements | Energy News Network](#)
- [Summit Carbon Solutions holds NW Iowa meeting over proposed pipeline | KMEG \(siouxlandnews.com\)](#)
- [Opponents still working to nix the Summit Carbon Solutions pipeline in Iowa | The Iowa Torch](#)
- [Carbon pipeline panelist says to 'rethink' easement compensation - Agweek | #1 source for agriculture news, farming, markets](#)
- [Pipelines offer Iowa Democrats an opportunity | The Gazette](#)

### Maryland

- [E&E News | Article | Legislation targeting Md. emissions advances \(politicopro.com\)](#)

## Minnesota

- [Who wins and who loses with CO2 pipelines? - The Globe | News, weather, sports from Worthington, Minnesota \(dglobe.com\)](#)

## Nebraska

- [With CO2 pipelines planned, landowners call for additional state - RIVER COUNTRY - NEWS CHANNEL NEBRASKA](#)
- [Opponents warn of risks with proposed carbon pipelines | News | norfolkdailynews.com](#)
- [With CO2 pipelines planned, landowners call for additional state protections | Nebraska Examiner](#)

## New Mexico

- [Navajo energy company invests in carbon capture effort – The Durango Herald](#)
- [San Juan is one of five phase three CarbonSAFE projects, but questions of viability remain | The NM Political Report](#)
- [New Mexico Gov. Lujan Grisham Resurrects Controversial Hydrogen Hub Act \(capitalandmain.com\)](#)

## North Dakota

- [World's largest CCS project gets financial shot in the arm | Upstream Online](#)
- [Continental Investing in Midwest Carbon Capture Pipeline, Sequestration Project - Natural Gas Intelligence](#)
- [Oil and gas industry puts focus on CO2 sequestration, Ukraine | Oil And Energy | willistonherald.com](#)

## Ohio

- [Could captured carbon dioxide be stored in Ohio to fight ...](#)

## Oklahoma

- [Oklahoma, Arkansas, Louisiana announce hydrogen partnership \(nwahomepage.com\)](#)
- [Williams pushing clean hydrogen energy to the fore | Local Business News | tulsaworld.com](#)

## Pennsylvania

- [EQT, Equinor, Shell Polymers and US Steel to Participate in Appalachian Hydrogen & Carbon Capture Conference III - EIN Presswire \(einnews.com\)](#)
- [Key Points from Senate Budget Hearings Wednesday, March 2 - Pennsylvania Senate Republicans \(pasenategop.com\)](#)

## South Dakota

- [Questions arise about Summit Carbon Solutions' political background \(aberdeennews.com\)](#)

## Texas

- [Houston's plans for hydrogen hub face competition \(houstonchronicle.com\)](#)
- [Apex, Epic and Corpus Port Considering Industrial-Scale Green Hydrogen Hub for South Texas - Natural Gas Intelligence](#)

## Utah

- [2022 Legislative Session: Week 5, carbon sequestration, public transit, and tar sands. – HEAL Utah](#)

## West Virginia

- [Sen. Joe Manchin's Opening Statement During Hearing To Examine The Use Of Energy As A Tool & Weapon - YouTube](#)
- 

## Upcoming events

### March 17

[NAE GRP Colloquium Opportunities and Challenges Carbon Capture Utilization and Sequestration | National Academies](#)

### March 17

[The future of direct air capture policy | fireside chat \(Climeworks and Carbon180\)](#)

### March 23

[IEAGHG Webinar: Study on Global Assessment of Direct Air Capture Costs](#)

### March 28

[Carbon, Capture, Utilization, and Storage \(CCUS\) Conference | Houston \(aapg.org\)](#)

### March 29

[\[Webinar\] Developing & Financing Low Carbon Hydrogen Projects - March 29th, 12:00 pm - 1:00 pm CT | Vinson & Elkins LLP - JDSupra](#)

### March 29 – 31

[Carbon, Capture, Utilization, and Storage \(CCUS\) Conference | AAPG](#)

### April 3-8

[2022 Carbon Capture, Utilization and Storage Conference | GRC](#)

---

*To subscribe or request to add an event, news story, report, blog, or job posting to the update please reach out to Emma Thomley at [ETHomley@gpisd.net](mailto:ETHomley@gpisd.net). Want to read more carbon management updates, studies, and fact sheets? Visit us at [Carbon Capture Ready](#).*

**About this email:** You are receiving this message as part of newsletter subscription to the RDI Update. If you no longer wish to receive the weekly newsletter, you can email [ethomley@gpisd.net](mailto:ethomley@gpisd.net) to be removed from the list.