



## REGIONAL CARBON CAPTURE DEPLOYMENT INITIATIVE

# UPDATE

May 11, 2023

### EPA Signs Proposed Rule for Louisiana Primacy

Louisiana is making progress in its quest for Class VI primacy. On April 27, 2023, EPA Administrator signed a [proposed rule](#) to grant the State of Louisiana's request for primary enforcement responsibility (primacy) over UIC Class VI wells within the state. Louisiana is the third state to seek primacy for UIC Class VI wells. The EPA conducted a thorough review of the application and proposes to approve it, pending public comment, as it meets all the necessary criteria for approval. Upon approval, Louisiana would be authorized to issue permits for [Class VI UIC wells](#).

EPA will hold an [in-person public hearing](#) on June 15, 2023 in Baton Rouge, Louisiana. Review a [fact sheet](#) summarizing EPA's action.

#### Associated news

[EPA Opens Public Comment on Proposal Granting Louisiana Primacy for Carbon Sequestration and Protection of Drinking Water Sources | US EPA](#)

[Press Release | Press Releases | Newsroom | U.S. Senator Bill Cassidy of Louisiana \(senate.gov\)](#)

[Louisiana's Bid to Vet Carbon Storage Wells Advances After Stall \(bloomberglaw.com\)](#)

### Occidental and 1PointFive hold groundbreaking of world's largest direct air capture plant

On April 28, 1PointFive, a subsidiary of Occidental, broke ground on the STRATOS facility, a direct air capture project anticipated to be the largest in the world once fully operational. From 1PointFive's press release on the announcement:

"On Friday, April 28, 1PointFive, a carbon capture, utilization and sequestration (CCUS) company, held a groundbreaking ceremony for its first-of-its-kind DAC facility, STRATOS. 1PointFive was joined by project partners from Oxy, Carbon Engineering and Worley for the shovel turn."

The first stage of construction, which includes site preparation and road work, has already begun and startup is expected in mid-2025. Once fully operational, STRATOS is expected to capture up to 500,000 metric tons of carbon dioxide per year. 1PointFive has announced a scenario to deploy 100+ DAC facilities worldwide by 2035 under current compliance and market scenarios. The plant is expected to provide cost-effective solutions these industries can use in conjunction with their operational reduction programs to help reach their net-zero goals”

## BLM Seeks Input on Wyoming Carbon Storage Project

In June 2022, BLM [announced its release of new policy](#) for the geologic storage of carbon dioxide on public lands. One Wyoming project proponent, Moxa Carbon Storage, has submitted a right of way application to BLM, with Wyoming offices now [asking for public comment](#) on the proposed right of way for the project.

Moxa Carbon Storage, LLC’s proposed project in Southeastern Wyoming, is estimated to permanently store carbon covering up to 605,091 federal acres. Following the public comment period, Moxa Carbon Storage will likely apply for a Class VI well permit through the Wyoming Department of Environmental Quality.

## Register Deadline of May 12 for Upcoming PHMSA CO<sub>2</sub> Pipeline Meeting in Iowa

The Federal Pipeline and Hazardous Materials Safety Administration is holding a [CO<sub>2</sub> safety public meeting](#) from May 31 – June 1 in Des Moines Iowa. The meeting will help inform pipeline safety rulemaking and include representatives from the public, states, tribal governments, industry, and more.

PHMSA has listed several expected topics for the hearings including safety expectations for pipeline operators, current state of CO<sub>2</sub> pipeline infrastructure (mileage and forecasts), federal and state jurisdictions and authorities, public awareness, engagement, and emergency notification, emergency equipment, training, and response, and environmental justice.

Although the meeting will be both in-person and streamed via webcast and attendees must register by May 12. Register [here](#).

**Senators Barrasso and Capito release permitting reform bills:** Yesterday, Republicans in the Senate introduced a permitting reform package that would aim to speed up environmental reviews for projects. The package contains two pieces of legislation, one from Senator John Barrasso (R-WY), Ranking Member of the Senate Energy and Natural Resources (ENR) Committee, and the other from Senator Shelley Moore Capito (R-WV), Ranking Member of the Environment and Public Works (EPW) Committee.

Senator Barrasso's bill, the Spur Permitting of Underdeveloped Resources (SPUR) Act, focuses on proposed reforms in ENR’s jurisdiction, and includes provisions aimed at increasing domestic energy and mineral development, allowing more energy projects on

federal land, and streamlining permitting of energy infrastructure.

Senator Capito's bill, the Revitalizing the Economy by Simplifying Timelines and Assuring Regulatory Transparency (RESTART) Act, focuses on provisions under EPW's jurisdiction, including measures to streamline agency review process timelines, implement time limits on reviews, and provide tweaks to NEPA.

For bill text of the SPUR Act, click [here](#). For a section-by-section of the SPUR Act, click [here](#). For a one pager on the SPUR Act, click [here](#).

For bill text of the RESTART Act, click [here](#). For a section-by-section of the RESTART Act, click [here](#). For a one pager on the RESTART Act, click [here](#).

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## News Roundup

- [North American Clean Hydrogen Projects Are Booming \(wsj.com\)](#)
  - [Mulberry will be the site of Florida's first hydrogen fuel plant \(theledger.com\)](#)
  - [EPA rules may push power plants to capture carbon. Is... | Canary Media](#)
  - [NETL Carbon Capture, Utilization and Storage Research Explained at Major National Event | netl.doe.gov](#)
  - [New Rules for Power Plants Could Give Carbon Capture a Boost. Here's How. - The New York Times \(nytimes.com\)](#)
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## Global News

- [Plans emerge for Brazil's first CCS hub as Petrobras eyes possible partnership with Shell | Upstream Online](#)
  - [The Global Race To Capture Carbon Has Begun! \(carbonherald.com\)](#)
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## New podcasts, reports, statements & blogs

- [Using Natural Gas to Go Carbon Negative | RealClearEnergy](#)
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## News in the States

### Alabama

- [Nature advocates seek to block Alabama-based company from strip-mining largest natural carbon reserve in the US \(Workers.org\)](#)
- [Alabama Attorney General calls ESG-focused banks that advance sustainability solutions like carbon capture "anti-capitalist" \(USA Today\)](#)

## Alaska

- [Alaska budget disputes leave possible financial incentives for carbon capture and sequestration up in the air \(Anchorage Daily News\)](#)

## Arizona

- [In ongoing effort to fully decarbonize by 2034, Cox Communications announces 100% of the energy for its Arizona operations now comes from renewable energy \(AZ Big Media\)](#)
- [UArizona engineers lead \\$70M project to turn desert shrub into rubber, enhancing natural carbon capture in the state \(UArizona\)](#)

## Arkansas

- [University of Arkansas architecture students visit Finland to learn more about carbon-neutral building design \(University of Arkansas\)](#)

## California

- [Snags in the carbon capture pipeline \(Politico\)](#)
- [Cal-tech inspired Captura facility could remove gigatons of carbon dioxide from the ocean \(New Atlas\)](#)
- [California startup partners with Canadian tech company to help the building industry decarbonize \(The Star\)](#)

## Colorado

- [‘It’s water vapor’: More GOP climate denial precedes Colorado greenhouse gas bill’s passage - Colorado Newline](#)
- [Colorado Contemplates Expanding the Mission of Its Oil and Gas Commission | Brownstein Hyatt Farber Schreck - JDSupra](#)
- [Carbon capture and storage project on state ground in Washington County begins sampling process | TheFencePost.com](#)
- [Colorado’s top oil and gas regulators could get a new name, but the change wouldn’t only be skin deep | Colorado Public Radio \(cpr.org\)](#)

## Connecticut

- [Southern Connecticut State University completes \\$52.4M first CT-owned, net zero building \(NH Register\)](#)

## Delaware

- [Greenhouse Gas Emissions Reduction Bills Clears Delaware House Committee \(WGMD\)](#)
- [Oversees Shipping Group \(OSG\) looking into carbon capture, utilization and storage technology through new Delaware-based subsidiary \(offshore-energy.biz\)](#)
- [Delaware-based CovationBio Announces Sustainability Commitments and Baselines with its First Sustainability Report \(Victoria Advocate\)](#)

## Florida

- Scientists to deploy hemp crops in ways to combat climate change and support underserved farmers (Morning Ag Clips)
- Florida sugar company finds success in using enhanced technology to increase sustainability (IT Pro Today)
- Florida vacation resort owner turns to solar energy to power properties (PV Magazine USA)
- South Korea-based LowCarbon strikes partnership with Florida for clean hydrogen energy business (Korea Herald)

## Georgia

- LanzaJet set to open Georgia-based facility to produce sustainable airline fuel using captured carbon dioxide (Seattle Times)

## Hawaii

- Promise and peril in using ocean to eat up carbon (Herald Net)
- Rising CO<sub>2</sub> levels in atmosphere near Mauna Loa caused by human activity, not volcanic activity, NOAA scientists say (NOAA)

## Idaho

- Idaho high school student wins college scholarship for presentation on how carbon capture technology can move the nation toward net-zero emissions (Coeur d' Alene/Post Falls Press)

## Illinois

- Bring carbon capture technology and its environmental benefits to Illinois - Chicago Sun-Times (suntimes.com)
- Quick growth of carbon capture tech catches attention of lawmakers (myjournalcourier.com)
- Galesburg mayor, McDonough County farmer push for carbon pipeline regulations at Illinois State Capitol (WCBU)

## Indiana

- Multiple energy, environmental and carbon capture bills in Indiana officially become law (WFYI)

## Iowa

- Feds want to hear from Iowans about carbon capture pipeline safety (desmoinesregister.com)
- IA Lawmakers Table Ethics Complaint Over CO<sub>2</sub> Pipeline Bill / Public News Service

## **Kentucky**

- [NETL Director Outlines Lab's Role in Transition to The Hydrogen Economy across Appalachia \(Hydrogen-Central.com\)](#)

## **Louisiana**

- [Gov. John Bel Edwards asks for help explaining carbon capture \(NOLA.com\)](#)

## **Maine**

- [How one Maine college plans to end its reliance on fossil fuels within 20 years \(Maine Public\)](#)
- [Governor Mills Elected Co-Chair of U.S. Climate Alliance, Bipartisan Coalition of Governors Leading on Climate Action \(Maine Governor's Office\)](#)

## **Maryland**

- [Loyola University Maryland business students take awards at sustainability case competition \(Loyola University Maryland\)](#)
- [Cooling Down the Cloud: \\$3.5M DOE Award Supports UMD Project to Reduce Energy Use in Data Centers \(University of Maryland\)](#)

## **Michigan**

- [Michigan seeks aid for hydrogen power, but its climate friendliness is under fire](#)
- [Detroit-based DTE Vantage looks to carbon capture technology for future ventures \(Waste360.com\)](#)

## **Minnesota**

- [Minnesota-based Winnebago company announces partnership with Nature Conservancy to advance carbon capture \(Market Watch\)](#)

## **Mississippi**

- [Gulf Coast to be the center of the world's new hydrogen economy](#)

## **Missouri**

- [Kansas City achieves LEED Gold status for Climate Protection and Resilience Plan \(Kansas City Government\)](#)

## **Montana**

- [Montana professor presents research on role ocean animals may play in capturing and storing carbon from atmosphere \(Flathead Beacon\)](#)

## Nebraska

- [‘It’s about property rights’: Some farmers resent ethanol industry’s push for carbon pipelines \(Nebraska Examiner\)](#)

## Nevada

- [Nevada Museum of Art acts to reduce its carbon footprint—and energy costs \(The Art Newspaper\)](#)

## New Hampshire

- [An interview with Q Hydrogen: Creating a ‘world’s first’ in New Hampshire’s North Country \(Valley News\)](#)

## New York

- [Carbon Capture Debuts in NYC Buildings But Won’t Count Toward Climate Law Mandates, Yet \(The City\)](#)

## North Carolina

- [Catawba College first in North Carolina to reach carbon neutrality \(Spectrum Local News\)](#)
- [National, North Carolina-based construction company focused on utilizing carbon sequestration technology named Midwest design firm of the year \(Engineering News-Record\)](#)

## North Dakota

- [Bismarck leaders join opposition to CO2 pipeline route; Burgum supports ‘safe transport of CO2’ \(Bismarck Tribune\)](#)

## Ohio

- [Akron-based Goodyear to use methane pyrolysis technology for tire production in move toward net-zero emissions \(PR Newswire\)](#)

## Oklahoma

- [Oklahoma governor bans more than a dozen ESG-supporting banks from doing business with the state \(Responsible Investor\)](#)

## Oregon

- [Family Forest Carbon Program seeks to enhance opportunities for natural carbon sequestration across the west \(Discover Magazine\)](#)

## Pennsylvania

- [Pennsylvania leaders call for decarbonization of industry sources to reduce greenhouse gas emissions and improve public health \(WITF\)](#)
- [The prospects of Pennsylvania as a RGGI leader \(Kleinman Center for Energy Policy\)](#)

## South Carolina

- [Beaufort, SC mayor addresses climate concerns during speaking engagement \(Your Island News\)](#)

## South Dakota

- [Judge Allows Summit Carbon Solutions To Survey Private Land \(carbonherald.com\)](#)

## Tennessee

- [Former US Senator from TN testifies on the costs of ignoring the climate change crisis and importance of carbon capture credit \(US Senate Budget Committee\)](#)

## Texas

- [Safely containing large-scale emissions | EurekAlert!](#)
- [Global energy producer Midland–Odessa seeks economic stability, end to boom-and-bust \(Dallas Federal Reserve\)](#)

## Utah

- [How the mirage of oil shale riches in Utah threatens the Colorado River \(Bulletin of Atomic Scientists\)](#)

## Vermont

- [Vermont governor vetoes clean heat standard \(Energy News\)](#)

## Virginia

- [Virginia NRCS announces funding available for new partnerships, conservation innovations, CCS technology \(SWVA Today\)](#)

## Washington

- [Microsoft and Helion want to build the world's first fusion plant in Washington State and seize energy's 'Holy Grail' \(Geek Wire\)](#)

## West Virginia

- [WVU announces drill date for first geothermal, carbon capture and storage data-collection well in West Virginia | WVU Today | West Virginia University](#)
- [EPA Rules Mean WV Coal Plants Will Have To Capture Carbon Or Shut Down \(WV Public Radio\)](#)
- [In a Climate Trade-Off, Biden Backs WV Senator Manchin's Fossil Fuel Plan \(NY Times\)](#)

## Wyoming

- [Gov Gordon highlights state's energy leadership, from coal to nuclear and carbon capture \(Wyoming News\)](#)



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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.

**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.

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*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](#).*