



## REGIONAL CARBON CAPTURE DEPLOYMENT INITIATIVE

# UPDATE

September 2, 2022

## BLM Approves First Application for CO<sub>2</sub> Underground Storage on Public Lands in WY

The Bureau of Land Management [has approved](#) ExxonMobil Corporation's carbon storage proposal in Wyoming at its Shute Creek natural gas processing plant. This is the first time BLM has approved an application for permanent storage of carbon dioxide (CO<sub>2</sub>) on federal lands.

Currently, Exxon Mobil sells some of the CO<sub>2</sub> it produces at the plant, while the remaining gas is released into the atmosphere. This project once completed will provide Exxon the opportunity to store over 60 million cubic feet of carbon dioxide underground.

It is important to note that Exxon has received approval to store the CO<sub>2</sub> using a Class II well, not a Class VI well. No federal land management agency has approved a storage project with a Class VI well.

This decision follows the federal Bureau of Land Management (BLM) [release](#) for the geologic storage of carbon dioxide on public lands on June 10. This is the first time BLM is issuing a policy to allow for the permanent underground storage of carbon dioxide.

The [instruction memorandum](#) provides direction for authorizing rights-of-way for site characterization, transportation, injection, capture, and permanent storage of carbon dioxide at injection well locations on BLM-managed lands. A right-of-way grant authorizes rights and privileges for a specific use of the land for a specified amount of time.

### *Associated News Coverage*

- [ExxonMobil to store CO<sub>2</sub> on BLM lands in Wyoming - WyoFile](#)
- ['First of its kind' underground CO<sub>2</sub> storage project approved near Kemmerer | County 17](#)
- [ExxonMobil to store CO<sub>2</sub> on BLM lands in Wyoming | News | buffalobulletin.com](#)
- [BLM Approves 1st Application for Permanent Carbon Storage on Public Lands | Rigzone](#)

## California Passes Carbon Management Legislation

"The California State Legislature voted to pass [SB 905](#), *Carbon sequestration: Carbon Capture, Removal, Utilization, and Storage Program* on Thursday, paving the way for the development of

carbon management regulations in the state. The bill now heads to Governor Newsom's desk to be signed into law.

This bill's passage would direct the California Air Resources Board to establish Carbon Capture, Removal, Utilization, and Storage Program, to evaluate and demonstrate the efficacy, safety, and viability of geologic storage of carbon dioxide and facilitate the capture and storage

Key features of the bill include:

- Development of an application for carbon storage pilot project developers
- Development of a public database to track carbon management project deployment and development in the state
- Acknowledgement that the surface owner owns the subsurface unless it has been severed and separately conveyed
- Requirement for the project operator to provide written notice of the project to each surface or subsurface owner adjacent to a storage reservoir.

Read the Clean Air Task Force's blog [here](#).

#### *Associated News Coverage*

- [California passes carbon capture and storage legislation, marking a pivotal move toward achieving its ambitious climate goals – Clean Air Task Force \(catf.us\)](#)
- [California lawmakers pass sweeping state climate change package | IEEFA](#)
- [California's carbon capture bet - Protocol](#)

## **Join GPI for the Launch of the Carbon Management Action Network this October**

Please join the Great Plains Institute's for our upcoming Carbon Management Action Network Launch on October 26 in New Orleans, Louisiana. The Action Network is the nation's first integrated federal and state advocacy network for action on carbon management policy and deployment action at the federal, state and regional levels.

The event will open with an overview on carbon management technologies and state and federal legislation, followed by the official launch of the network, featuring a panel discussion on leveraging shared connections. Following the launch, sessions will discuss implementation of the Inflation Reduction Act and Infrastructure Investment and Jobs Act and utilizing state and regional networks. A final discussion will spotlight Louisiana's carbon management efforts including challenges and opportunities.

**Learn more about the event and register [here](#).**

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## **News Roundup**

- [DOE Backs Carbon Capture Development at Two Major Gas-Powered Plants \(powermag.com\)](#)

- [Explainer: How industry is depending on carbon capture technology for climate goals | Reuters](#)
  - [Inflation Reduction Act Seen Vastly Improving CCUS Economics for Natural Gas Power Plants | Natural Gas Intelligence \(naturalgasintel.com\)](#)
  - [Biden's top climate adviser Gina McCarthy to leave White House \(usatoday.com\)](#)
  - [Mantel Launches Carbon Capture Technology to Reduce the World's Atmospheric CO2 and Help Achieve Net-Zero | Business Wire](#)
  - [Green Concrete Transition Has Path to Credibility in Climate Law \(bloomberglaw.com\)](#)
  - [The US's fossil fuels research office has a radical new mission: Cleaning up the mess | MIT Technology Review](#)
  - [US: Permitting is key challenge for nation's fledgling carbon capture sector | Upstream Online](#)
  - [Pore Space Gains Value as CCS Picks Up Traction \(spe.org\)](#)
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## Global News

- [Equinor, Wintershall Dea eye pipeline to capture CO2 under the North Sea](#)
  - [Alma Clean Power Makes Zero Emission Deep Sea Shipping a Reality | The Maritime Executive \(maritime-executive.com\)](#)
  - [Carbon capture investment is nearing the 1.5 degree pathway \(axios.com\)](#)
  - [Air Products And ABP To Build UK's Largest Green Hydrogen Facility \(carbonherald.com\)](#)
  - [Norwegian carbon capture projects gather pace | Argus Media](#)
  - [Mitsubishi Heavy Industries wins FEED contract for GTCC plant and CO2 capture in Scotland | News | gasworld](#)
  - [Dutch industrial decarbonization policy effectively supports CCS, but needs further push on low-carbon and green hydrogen to meet climate targets - OGV Energy](#)
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## New podcasts, reports, statements & blogs

- [Drax Group CEO responds to the US DOE National Renewable Energy Lab Report - Drax Global](#)
  - [NETL Workshop Focuses on Shaping the Future of Direct Air Capture | netl.doe.gov](#)
  - [We need new corporate energy procurement standards to decarbonize the grid | Greenbiz](#)
  - [WoodMac: For net-zero by 2050, carbon capture, utilisation and storage needs 'seven-fold' boost - Offshore Energy \(offshore-energy.biz\)](#)
  - [Optimizing equity in energy policy interventions: A quantitative decision-support framework for energy justice - ScienceDirect](#)
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## News in the States

## Alaska

- [Sullivan, Murkowski Urge Energy Department to Complete, Without Delay, Draft SEIS for AKLNG Project \(sullivan.senate.gov\)](#)

## California

- See above story “California passes Carbon Management Legislation”
- [California Approves a Wave of Aggressive New Climate Measures | New York Times \(nytimes.com\)](#)
- [CRC Forms Joint Venture to Sequester Carbon at Well Sites \(labusinessjournal.com\)](#)

## Delaware

- [U.S. Secretaries of Labor and Energy visit Delaware, discuss future of hydrogen technology | Delaware Public Media \(delawarepublic.org\)](#)

## Florida

- [Department of Energy Sending \\$5.6 Million to Tampa Electric Company | Floridaily Daily \(floridaily.org\)](#)

## Indiana

- [HeidelbergCement announces largest carbon capture project to date \(worldcement.com\)](#)

## Iowa

- [Iowa Corn Growers Association endorses carbon capture... | The Hawk Eye](#)
- [First public meetings held for carbon capture pipeline \(kcr.org\)](#)
- [Wolf Carbon Solutions hesitant to commit to taking eminent domain off the table, reps say in Scott County public meeting](#)
- [Wolf-ADM carbon capture pipeline hears opposition at first public meeting in Johnson County | Iowa City Press Citizen \(press-citizen.com\)](#)
- [Wolf Carbon Solutions presents Carbon Capture Pipeline to Scott County \(kcr.org\)](#)
- [Cedar Rapids speakers voice concerns about Wolf Carbon Solutions CO2 pipeline plan | Corridor Business Journal \(corridorbusiness.com\)](#)
- [Carbon pipeline to pass through several Quad Cities counties | wqad.com](#)

## Louisiana

- [Three \\$4.2B projects approved for tax breaks in South Louisiana | Business & Industry Connection \(bicmagazine.com\)](#)
- [Fertilizer Company Plans \\$2 Billion Carbon-capture Ammonia Facility \(thomasnet.com\)](#)
- [Gov. Edwards Hails Clean Energy ‘Milestone’ as Louisiana Hydrogen Project Wins \\$50 Million Federal Grant | L’Observateur \(lobserveur.com\)](#)
- [LSU petroleum engineering laboratory shows off carbon capture project to Cassidy, Tate | The Advocate \(theadvocate.com\)](#)

## Minnesota

- [\\$3.7B proposed project would store greenhouse gas underground | Marshall Independent \(marshallindependent.com\)](#)

## New Mexico

- [Will carbon capture help clean New Mexico's power, or delay its transition? | New Mexico In Depth \(nmindepth.com\)](#)

#### **North Carolina**

- [N.C. A&T Receives \\$10M to Open Clean Energy Research Center \(ncat.edu\)](#)

#### **North Dakota**

- [Pore Space Gains Value as CCS Picks Up Traction | Journal of Petroleum Technology](#)

#### **Pennsylvania**

- [DOE funds Pitt, WVU clean hydrogen projects | Pittsburgh Business Times \(bizjournals.com\)](#)
- [State House eyes hydrogen hub for western PA | Latrobe Bulletin \(latrobebulletinnews.com\)](#)
- [Pennsylvania invests in low carbon technologies for energy production \(gasworld.com\)](#)

#### **South Dakota**

- [Glacial Lakes Energy voices support for carbon pipeline \(dakotanevsnov.com\)](#)
- [Farmers, Community Leaders Launch Midwest Ag Future to Highlight Benefits of Carbon Capture Technology | Business Wire \(businesswire.com\)](#)

#### **Texas**

- [Top energy companies to explore CCUS opportunities in Texas in a new light of passed U.S. Inflation Reduction Act - BIC Magazine](#)

#### **Utah**

- ['Significant milestone' in climate change fight: Underground carbon storage gaining traction in Wyoming, but years away in Utah](#)

#### **West Virginia**

- [Federal Incentives Could Bring Hydrogen Power Tech to W.V. | Government Technology \(govtech.net\)](#)

#### **Wyoming**

- [See above story "BLM Approves First Application for Co2 Underground Storage on Public Lands in WY"](#)

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## **Upcoming events**

### **September 12 – 16**

#### [Justice Week 2022 | Department of Energy](#)

The Department of Energy's Office of Economic Impact and Diversity (ED) is leading the way for a just transition to a new energy system. Join us at DOE or online during Justice Week to learn about how you can play a role in reshaping our energy futures.

## September 13 – 14

### [Hydrogen Hubs: Building a Value Chain](#)

During this event communities in the hydrogen hub value chains will come together in one spot to discuss how to launch a new national hydrogen economy. Leaders from transportation, industrial gas distribution, pipeline, carbon-free hydrogen production technology and renewable energy communities—communities that normally don't communicate amongst themselves in the ordinary course of events—will be on hand to share their perspectives on what is needed to form an efficient and effective value chain to commercialize clean hydrogen production and distribution.

## September 20

### [Center for Hydrogen Safety Americas Conference](#)

This conference will bring together representatives from industry, government, and academia to highlight the safe use of hydrogen in commercial and industrial applications.

## September 21 - 23

### [Global Clean Energy Forum \(gceaf.org\)](#)

Directly following the UN General Assembly, the Global Energy Forum will convene governments representing most of the world's GHG emissions and 90% of public investment in clean energy, international organizations, clean energy financiers, industry leaders, unions, non-governmental organizations, young professionals and tech innovators. The purpose of this is to spur concrete action to implement clean energy deployment commitments that build on historic advancements in innovative technologies.

## September 27 – 29

- [Register for the Policy Makers Symposium Here](#)

National Clean Energy Week brings together business leaders, advocates, policymakers, and trade associations from all perspectives who are dedicated to advancing clean energy. NCEW encompasses broad and diverse energy sources, including solar, wind, hydropower, geothermal, nuclear, natural gas, biomass, carbon capture, and waste-to-energy

## October 4 - 5

- [American Carbon Capture Utilization and Storage Forum \(uscarboncaptureforum.com\)](#)

The forum will gather all relevant stakeholders from energy companies, government and research sectors as well as solution providers where experts will have an opportunity to present their perspective, share latest findings and raise important questions.

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*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](#).*

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