



## REGIONAL CARBON CAPTURE DEPLOYMENT INITIATIVE

# UPDATE

June 17, 2022

## BLM Releases Carbon Management Guidelines

The federal Bureau of Land Management (BLM) [announced their release of new policy](#) 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.

The instruction memorandum will help ensure consistent processing of right-of-way applications for carbon sequestration projects across all BLM-managed lands and provide guidance to BLM staff on how to address compliance with other applicable laws, environmental review, the term of the authorizations (a 30-year renewable term), rental payments, cost recovery, and adequate monitoring and long-term stewardship.

Presently there are no approved carbon sequestration projects on BLM-managed lands. The BLM is currently processing two applications, one in Wyoming and one in Montana, and has received inquiries related to other potential projects in several states.

### Associated news coverage

- [Carbon Storage Projects on Federal Land to Get Interior Permits \(bloomberglaw.com\)](#)
- [US Interior issues policy for storing carbon dioxide beneath public lands | S&P Global Market Intelligence \(spglobal.com\)](#)

## Arbor Renewable Gas to Use Carbon Capture at Planned New Facility in Louisiana

Arbor Renewable Gas LLC, a Houston-based company that produces renewable gasoline and green hydrogen from wood waste and forest residue, is evaluating West Baton Rouge Parish for a planned \$800 million manufacturing and distribution facility that will use carbon capture and storage to reduce its emissions.

The facility would produce renewable gasoline from wood waste biomass from Louisiana and Mississippi timber operations and create 32 jobs. Louisiana Economic Development estimates the project would also support at least 110 indirect jobs, for a total of 142 new jobs in Louisiana's Capital Region. The company estimates the development of the facility would generate up to 880 construction jobs at peak construction.

Initial plans call for the installation of two product trains, with the capacity for future expansions. Arbor Gas projects that each train will sequester approximately 275,000 tons of CO<sub>2</sub> annually. Construction is expected to begin in late 2023, with the first train in operation by the end of 2025.

Associated news coverage

- [Louisiana officials tout \\$800M taxpayer-supported biofuels project | Louisiana | thecentersquare.com](#)
- [Arbor Renewables plans \\$800M biorefinery in Louisiana | Biomassmagazine.com](#)
- [Arbor Renewable Gas evaluating West Baton Rouge for \\$800M renewable gasoline and green hydrogen plant - Green Car Congress](#)

## Secretary Jennifer M. Granholm's Remarks on Why the US Needs Carbon Management to Decarbonize at Global CCS Institute's 10th Annual DC Forum

Today Secretary Jennifer M. Granholm gave [remarks](#) at the Global CCS Institutes DC forum, stressing that carbon management is an important part of the technological toolkit needed for decarbonization, particularly in the industrial sector.

Secretary Granholm emphasized that the US cannot meet national or global climate goals without economy wide deployment of carbon capture and carbon removal at scale. Although many renewable technologies are at scale and essential to decarbonization, carbon management will help address emissions from the US's current fossil fuel infrastructure including industrial processes. The secretary explained that carbon management has great potential to decarbonize industries such as steel, cement, chemicals, aviation, and agriculture.

## State Carbon Management Legislative Highlights

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

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## News Roundup

- [POLITICO Pro | Article | House Democrats nudge Senate on reconciliation package](#)
- [Path to cost-effective hydrogen seems clear, but financing deals remains a challenge, panelists say | Utility Dive](#)
- [Low-Carbon Hydrogen Demand Could Reach 50 Mtpa By 2050 | Rigzone](#)

- [Supreme Court climate case might end regulation - E&E News \(eenews.net\)](#)
  - [Can Carbon Capture Be Part of the Climate Solution? - The New York Times \(nytimes.com\)](#)
  - [POLITICO Pro | Article | Collins, Cantwell introduce carbon removal bill](#)
  - [Energy executives at transition conference still lean on fossil fuels | Reuters](#)
  - [Energy Dept grants incentivize construction of buildings that pull CO2 from air - CBS News](#)
  - [EIG and Aramco Sign MoU to Extend Energy Collaboration | West Virginia Business News | wvnews.com](#)
  - [POLITICO Pro | Article | Scientists report cheaper way to turn CO2 into fuel](#)
  - [Scientists discover RNA viruses may shape ocean carbon capture \(axios.com\)](#)
  - [And Suddenly, The Race For Carbon Capture Is On \(forbes.com\)](#)
  - [The World Desperately Needs Green Steel - The Atlantic](#)
  - [POLITICO Pro | Article | IG: Staffing among 'major risk' areas in DOE loan office](#)
  - [Meet Amos Hochstein, Biden's 'energy whisperer' on gas prices - The Washington Post](#)
  - [POLITICO Pro | Article | 'Without merit': Judges skeptical of GOP climate metric fight](#)
  - [A Hotter, Poorer, and Less Free America - The Atlantic](#)
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## Global News

- [Britain launches first licensing round for carbon storage sites | Reuters](#)
  - [Aker Solutions, Siemens, Doosan Babcock win major Keadby CCS work \(energyvoice.com\)](#)
  - ['Policies do not match hydrogen's importance' for meeting Paris goals: DNV | S&P Global Commodity Insights \(spglobal.com\)](#)
  - [Carbon Management Canada » Carbon Management Canada Welcomes Denbury to Joint Industry Partnership Focused on Subsurface CO2 Monitoring \(cmcgghg.com\)](#)
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## New podcasts, reports, statements & blogs

- [Can Carbon Capture Be Part of the Climate Solution? - The New York Times \(nytimes.com\)](#)
- [Hydrogen hubs: A historic opportunity for net-zero investment in the United States? - FTI Strategic Communications \(fticomcommunications.com\)](#)
- [IEF: Hydrogen needs 'massive' investment for decarbonization goals - Diesel & Gas Turbine Worldwide \(diesलगasturbine.com\)](#)
- [Climate Now: Concrete, steel and plastics: Paths to a greener industrial sector on Apple Podcasts](#)
- [New Bureau of Land Management Guidance on Geologic Carbon Sequestration on Federal Public Lands Answers Some Questions, But Uncertainty Remains for Split-Estate Lands | Snell & Wilmer - JDSupra](#)
- [6 things to know about direct air capture | Greenbiz](#)
- [Offsets watchdog aiming for clarity on net zero risks creating confusion | LinkedIn](#)

- [What makes for a good clean hydrogen hub? – Clean Air Task Force \(catf.us\)](#)
  - [Somewhere over the hydrogen rainbow \(activehosted.com\)](#)
  - [Transient Effects Caused by Gas Depletion during Carbon Dioxide Electroreduction | Langmuir \(acs.org\)](#)
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## News in the States

### Alabama

- [Lawmakers hope state becomes key player in emerging carbon storage industry - Daily Leader | Daily Leader](#)

### Arizona

- [United announces investment in, commercial agreement with Dimensional Energy; CO2-to-SAF - Green Car Congress](#)
- [United announces agreement with CO2 utilization company Dimensional Energy | AJOT.COM](#)

### California

- [California releases draft blueprint to achieve carbon neutrality by 2045 | Reuters](#)
- [SoCalGas sees green hydrogen as a key tool in energy transition – exec | ICIS](#)

### Connecticut

- [Raised House Bill 5200, An Act Establishing a Task Force to Study Hydrogen Power, Testimony in Support from Connecticut Center for Advanced Technology, University of Connecticut, Connecticut Hydrogen Fuel Cell Coalition](#)

### Illinois

- [Illinois activists oppose Heartland Greenway pipeline | Journal-Courier \(myjournalcourier.com\)](#)

### Iowa

- [Navigator CO2 pipeline would drop Linn County from new proposed route | The Gazette](#)

### Louisiana

- [See above story on Arbor Renewable Gas to Use Carbon Capture at Planned New Facility in Louisiana](#)
- [Honeywell, EnLink Developing Carbon Capture System \(environmentalleader.com\)](#)

### Minnesota

- [MN Nears Next Step in Regulating Underground Carbon Pipelines / Public News Service](#)
- [Environmental concerns raised: Vote passes to regulate CO2 pipelines running through OTC | News | fergusfallsjournal.com](#)

## Mississippi

- [Mississippi and the emerging carbon storage industry - Mississippi Today](#)
- [MS volcano can help with carbon shortage in US | Biloxi Sun Herald](#)
- [Mississippi and the emerging carbon storage industry - Mississippi Today](#)

## Nebraska

- [Concrete plant gains OK to burn biomass for fuel, vows not to use AltEn's 'wet cake' | Nebraska | norfolkdailynews.com](#)

## New Jersey

- [Greenstein, Singleton Bill to Provide Tax Credits to Low Carbon Concrete Manufacturers Advances - EIN Presswire \(einnews.com\)](#)

## New Mexico

- [Lujan Grisham talks state's oil and gas methane rules before Congress \(currentargus.com\)](#)

## North Carolina

- [This cotton fabric filter can capture carbon | Popular Science \(popsci.com\)](#)

## North Dakota

- [Lawmakers hope state becomes key player in emerging carbon storage industry - Daily Leader | Daily Leader](#)
- [Can North Dakota be carbon neutral by 2030? | News | times-online.com](#)

## Ohio

- [The Weather Network - Viruses could help the ocean capture more carbon, researchers say](#)

## Pennsylvania

- [Pennsylvania's political leaders line up behind hydrogen hub to grab federal dollars | Pennsylvania | thecentersquare.com](#)
- [The race is on \(again\) to build out a low-carbon hydrogen economy | StateImpact Pennsylvania \(npr.org\)](#)
- [U.S. DOE, Carnegie Mellon University to launch 2022 Global Clean Energy Action Forum - Pennsylvania Business Report \(pennbizreport.com\)](#)
- [Stakes high as Pittsburgh region vies for location as hydrogen hub | Pittsburgh Post-Gazette](#)

## Rhode Island

- [Rhode Island Poised to Enact Nation's Most Ambitious Renewables Standard | RTO Insider](#)

## South Dakota

- [Two carbon capture pipelines planned for South Dakota | SDPB](#)
- [Summit Carbon Solutions given more time to finalize South Dakota pipeline route - Agweek | #1 source for agriculture news, farming, markets](#)  
[Government report on CO2 pipeline leak in Mississippi could affect South Dakota Pipelines \(dakotane.ws.com\)](#)
- [Explained: Two new CARBON CAPTURE pipelines planned for South Dakota - YouTube](#)

## Texas

- [Texas Pacific Land, Milestone Carbon team up on carbon capture and sequestration study \(mrt.com\)](#)
- [Editorial: The Railroad Commission of Texas can't be trusted to regulate carbon capture \(houstonchronicle.com\)](#)
- [BKV, EnLink to develop carbon capture project - CompressorTECH<sup>2</sup> \(compressortech2.com\)](#)

## Utah

- [The same states that developed fossil fuels can now boost transition to low-carbon energy. \(sltrib.com\)](#)

## West Virginia

- [West Virginia may boycott 6 finance firms over fossil-fuel lending stance | Utility Dive](#)
- [BlackRock to launch energy security and transition infrastructure programme | Financial Times \(ft.com\)](#)

## Wyoming

- [Gov. Gordon tells federal committee Wyoming is a leader in natural gas production | Economy & Labor | wyomingnews.com](#)
- [Gordon Gives Testimony to House Committee on Climate Change \(k2radio.com\)](#)
- [Gordon tells U.S. House committee Wyoming is committed to 'all the above' energy strategy | Wyoming | thecentersquare.com](#)

## Upcoming events

### June 21

- [Carbon Conversion/Utilization Procurement Grant Workshop - Fuels, Chemicals & Bioproducts.](#)

The theme of the USEA's second virtual workshop will be on fuels, chemicals, and bioproducts

### June 26 - 30

- [19th Annual International Conference on Carbon Dioxide Utilization | Princeton University](#)

Chemists, engineers, and environmental policy planners will come together and discuss the latest developments in the field of CO2 capture and utilization

**June 27 - 29**

- [2022 Technical Group Mid-Year Meeting | CSLForum](#)

The workshop will explore the various CDR technologies available to abate elevated atmospheric CO2 levels

**June 30**

- [Direct Air Capture Summit, hosted by Climeworks](#)

Climeworks' Direct Air Capture Summit is a one-of-a-kind platform featuring business, technology, and policy experts. Key players collaborating and discussing high-quality carbon removal solutions help drive the scale-up the industry needs. The third edition of the summit will highlight the roles that the public and private sectors play in driving climate solutions and meeting global net-zero goals

**July 21 - 22**

- [Carbon Negative Shot Summit | U.S. Department of Energy \(DOE\)](#)

The Carbon Negative Shot Summit will convene a diverse set of perspectives to discuss the development and deployment of CDR in the United States, as well as explore justice and equity principles and workforce development opportunities. The nascent nature of CDR provides an imperative to integrate equity and justice from the start

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