



## REGIONAL CARBON CAPTURE DEPLOYMENT INITIATIVE

# UPDATE

June 3, 2022

### Texas Pacific Land Corporation and Milestone Carbon Announce Carbon Storage Partnership

Texas Pacific Land Corporation and Milestone Carbon, LLC [announced](#) on June 1 that they have executed a Letter of Intent to evaluate the potential of storing carbon dioxide in the Permian Basin in Texas.

Milestone Carbon will evaluate the geological and geophysical characteristics of the 21,000 acres owned by Texas Pacific Lands Corporation in the Permian Basin. If the study is successful, the area may be developed for a carbon capture and storage project.

### Comments due July 1<sup>st</sup> for DOE Innovative Technologies Loan Guarantee Program

The Department of Energy's Loan Program Office is [requesting information](#) to help improve its Title XVII Innovative Technologies Loan Guarantee Program and implement provisions of the Energy Act of 2020 and the Infrastructure Investment and Jobs Act that expand or modify the authorities applicable to the Title XVII Loan Guarantee Program.

Comments are due [July 1](#). To submit comments email: [LPO.ProposedRuleComments@hq.doe.gov](mailto:LPO.ProposedRuleComments@hq.doe.gov).

### ICYMI: CATF Released Policy Framework for Carbon Capture and Storage in Europe

The Clean Air Task Force released, [A Policy Framework for Carbon Capture and Storage in Europe](#), on May 10. The report describes the policy framework needed to produce a comprehensive carbon capture and storage strategy in Europe.

Efforts to deploy carbon management technologies at large scale in Europe have struggled, owing primarily to inadequate regulatory incentives and the need to develop common carbon dioxide infrastructure.

Now, with over 50 carbon capture or storage projects proposed across the region (offering an abatement potential of over 80 Mt of CO<sub>2</sub> per year), it is imperative that EU and national governments develop a coordinated policy framework that allows these first-move projects to progress and develop into a viable, region-wide industry for CO<sub>2</sub> storage.

## DOE Hosted 180 Day Progress Update on Bipartisan Infrastructure Law.

The U.S. Department of Energy (DOE) hosted a 30-minute webinar on May 23 with Secretary Jennifer Granholm and Principal Deputy Under Secretary for Infrastructure Kathleen Hogan to provide updates on the implementation of the Bipartisan Infrastructure Law (BIL) and to share the progress made in its first 180 days.

The recording of the webinar is now available. [Watch now](#) to learn about:

- Updates on the [\\$10 billion in BIL funding already released](#).
- Upcoming opportunities to provide input and to apply for funding.
- Evaluation criteria for J40 and equity considerations

## State Carbon Management Legislative Highlights

### *Introduced*

- **Pennsylvania: [HR 183](#)**, *A Resolution urging the Biden Administration and the Congress of the United States to designate this Commonwealth as a hydrogen hub*

### *First Chamber*

- **California: [SB 905](#)**, *Decarbonized Cement and Geologic Carbon Sequestration Demonstration Act. Geological Carbon Sequestration Amendments,*
- **California: [SB 1399](#)**, *Carbon capture and storage pilot program: industrial facilities*

### *Enacted this session:*

- **Alabama: [SB 36](#)**, *Oil and Gas Board, underground gas storage facilities, regulation, gas further defined to include abandonment of underground storage facilities, performance bonds, fees by board, Secs. 9-17-150, 9-17-151 am'd.,*
- **Arizona: [SB 1396](#)**, *Hydrogen study committee,*
- **Indiana: [HB 1209](#)**, *Carbon sequestration projects,*
- **Mississippi: [HB 1218](#)**, *Carbon dioxide geologic sequestration; revise laws regarding,*
- **Nebraska: [LB 1099](#)**, *Create the Nebraska Hydrogen Hub Industry Work Group,*
- **Ohio: [HB 175](#)**, *Deregulate certain ephemeral water features (this bill includes class VI injection well process recommendations)*
- **South Dakota: [HB 1120](#)**, *Include carbon dioxide and carbon dioxide capture companies in certain provisions regarding pipeline taxation,*
- **Utah: [HB 244](#)**, *Geological Carbon Sequestration Amendments,*
- **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.

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## News Roundup

- [Eyeing CO2, Trailblazer seeks to move 392-mile gas pipe from FERC's purview | S&P Global Commodity Insights \(spglobal.com\)](#)
  - [Oklahoma, California & automakers make push for hydrogen transportation, other zero emission options - Repairer Driven News](#)
  - [House Republicans to unveil conservative road map on climate, energy \(msn.com\)](#)
  - [New CO2 pipeline safety measures announced in the US | News | gasworld](#)
  - [House Republicans to introduce climate change strategy with eye on midterms - POLITICO](#)
  - [Bracewell launches pro-CCS group ahead of funding explosion - E&E News \(eenews.net\)](#)
  - [POLITICO Pro | Article | Google, GE back new zero-carbon research coalition](#)
  - [FACT SHEET: Biden-Harris Administration Releases Tribal Playbook, Announces Massive New Tribal Funding from Bipartisan Infrastructure Law | The White House](#)
  - [Strange Bedfellows: Farmers and Big Greens square off against Biden and the GOP - POLITICO](#)
  - [Supreme Court Rules Biden Can Use "Social Cost of Carbon" in Regulation \(spe.org\)](#)
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## Global News

- [Another seismic firm joins UK carbon capture, utilisation and storage project - Offshore Energy \(offshore-energy.biz\)](#)
  - [G7 unveils controversial 'hydrogen action pact' to tackle climate crisis and Russian gas reliance | Recharge \(rechargenews.com\)](#)
  - [Nuclear, Hydrogen, CCUS Part of at Least 42 Country Ambitions \(powermag.com\)](#)
  - [Shearwater to assess North Sea carbon storage site for NEP | Offshore \(offshore-mag.com\)](#)
  - [Drax to trial innovative carbon capture technology - News - The Chemical Engineer](#)
  - [Kireina Suiso Establishes a New Partnership for Carbon Capture and Zero-Carbon Hydrogen Production - EIN Presswire \(einnews.com\)](#)
  - [Japan plans first carbon capture and storage project \(pinsentmasons.com\)](#)
  - [Geology project underway to assess carbon capture in storage in Northeastern B.C. - Energeticcity.ca](#)
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## New podcasts, reports, statements & blogs

- [Forging a More Just Approach to Carbon Management | RealClearEnergy](#)

- [US ethanol industry eyes CCS to boost long-term demand | S&P Global Commodity Insights \(spglobal.com\)](#)
  - [Hydrogen Market Pathways | IEF](#)
  - [Hydrogen Fuel Investments Could Risk Making Global Warming Worse - Bloomberg](#)
  - [Experts to White House: EJ screening tool should consider race - E&E News \(eenews.net\)](#)
  - [Geophysical Monitoring for Geologic Carbon Storage | Wiley](#)
  - [Inside the misconception that hydrogen is a significant warming risk | Greenbiz](#)
  - [BIS Research Study Highlights the Global Carbon Capture Utilization and Storage Market to Reach \\$12.16 Billion by 2031 \(prnewswire.com\)](#)
  - [Researchers build system to capture CO2 faster \(techinasia.com\)](#)
  - [Hydrogen may be a climate solution. There's debate over how clean it will truly be - Environment - NPR News - 90.7 WMFE](#)
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## News in the States

### California

- [California's bill facilitating bid for Regional Clean Hydrogen Hub clears State Senate - Offshore Energy \(offshore-energy.biz\)](#)
- [California Lawmakers Hear Conflicting CCS Advice From Divided Experts | InsideEPA.com](#)
- [Home - California Hydrogen Leadership Summit \(cahydrogenleadershipsummit.com\)](#)

### Colorado

- [The technology pipeline - Boulder Weekly](#)

### Hawaii

- [Hawaii Startup Launches World's First Ocean-Assisted Carbon Removal Plant - ExtremeTech](#)

### Illinois

- [UIS student raises awareness about proposed liquid carbon dioxide pipeline \(sj-r.com\)](#)

### Iowa

- [State watchdog wary of Summit pipeline | News | nwestiowa.com](#)

### Kansas

- [Feasibility study to clean up hydrogen production in Kansas, US announced \(h2-view.com\)](#)

### Louisiana

- [Denbury, Nutrien Considering CCUS Project for Ammonia Project in Louisiana - Natural Gas Intelligence](#)
- [Denbury to Provide Carbon Capture Transportation for Nutrien Facility \(napipelines.com\)](#)

### Minnesota

- [Minnesota PUC Confirmed As Official Regulator Of Carbon Pipelines \(carbonherald.com\)](#)

#### **New Mexico**

- [Workshop gives details, seeks input on water use in carbon-neutral energy | Discover Los Alamos National Laboratory \(lanl.gov\)](#)

#### **North Carolina**

- [Textile Filter Testing Shows Promise for Carbon Capture | NC State News \(ncsu.edu\)](#)

#### **North Dakota**

- [Landmark Moment | EthanolProducer.com](#)
- [NDIC approves second round of funding for CSEA grants | Oil And Energy | willistonherald.com](#)

#### **Ohio**

- [Ohio hydrogen plant plans in Piketon draw guarded support - The Columbus Dispatch](#)

#### **Pennsylvania**

- [Pennsylvania Applying for \\$2 Billion in Push to Build Regional Clean Hydrogen Hub \(wdiy.org\)](#)
- [States Make Plays to Become Federal Hydrogen Hubs | Transport Topics \(ttnews.com\)](#)

#### **South Carolina**

- [What this moment before midterms means for the Biden administration's climate goals | South Carolina Public Radio](#)

#### **South Dakota**

- [Landowners file motion to dismiss Summit permit application \(aberdeennews.com\)](#)
- [Huron Plainsman | County hears arguments regarding carbon pipeline](#)

#### **Texas**

- [US CCS project to capture up to 15m t/y of CO2 - News - The Chemical Engineer](#)
- [Chevron \(CVX\) Confirms Joint Venture for CCS Project in Texas - May 30, 2022 - Zacks.com](#)
- [Texas Pacific Land Corporation and Milestone Carbon Announce Agreement for Carbon Sequestration Study | Nation/World | bdtonline.com](#)
- [Permian Basin oil and gas company to pay \\$650,000 for air pollution \(currentargus.com\)](#)
- [Joint Venture Finalized for Bayou Bend CCS Project \(spe.org\)](#)
- [Houston as the epicenter of a global clean-hydrogen hub | McKinsey](#)

#### **Wyoming**

- [In a Bid to Save Its Coal Industry, Wyoming Has Become a Test Case for Carbon Capture, but Utilities are Balking at the Pricetag - Inside Climate News](#)
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## Upcoming events

### June 6

- [Louisiana Department of Natural Resources/ Fireside Chat on Class 6 Wells](#)  
Featuring: Blake Canfield - Executive Counsel for Louisiana Department of Natural Resources and Corey Shircliff - Geologist Manager at Louisiana Department of Natural Resources - Department of Injection and Mining

### June 7

- [Summit Ag/ Fireside Chat on Summit Carbon Solutions CCS System](#)
- [WEBINAR - High integrity isolation solutions for CO2 and hydrogen pipelines | World Pipelines](#)  
STATS Group will present a case study focusing on the world's first, leak-tight double block and bleed isolation of a high-pressure CO2 pipeline system in New Mexico, US, and how the many challenges faced with isolating liquid CO2 were overcome

### June 8

- [Wolf Carbon Solutions/Fireside Chat on NAM CCS](#)  
Featuring: Nick Noppinger - Chief Financial Officer of Wolf Midstream
- [Decarbonization Policy and International Competitiveness | Resources for the Future](#)  
Join Resources for the Future (RFF) for a live event breaking down recent developments in decarbonization and industrial competitiveness. RFF President and CEO Richard G. Newell will sit down with Senator Sheldon Whitehouse as he seeks to introduce a new proposal addressing emissions and competitiveness. Then a panel of experts on international trade and decarbonization will examine proposals aimed at reducing industrial emissions while keeping US industry competitive on the world stage.
- [Hubs on the Horizon | Industrial Innovation Initiative](#)  
*Hubs on the Horizon*, hosted by the [Industrial Innovation Initiative](#) (i3) and co-sponsored by ITIF's [Center for Clean Energy Innovation](#), [Clean Air Task Force](#), and [Bipartisan Policy Center](#), will convene stakeholders from around the country to discuss the latest developments and announcements from the U.S. Department of Energy regarding clean hydrogen and carbon capture hubs funding and programs. The event will showcase and socialize efforts across the U.S. to establish hydrogen and carbon management hubs and serve as an opportunity to gain insights from key industrial, labor, and environmental perspectives
- [Is CCUS the Best Solution to Decarbonize the Steel and Cement Industries? | Experts by IHS Markit](#)  
In this webinar from the IHS Clean Energy Technology team, CCUS experts will discuss in detail: The role and potential of CCUS technology to reduce emissions and the sectors currently looking into the technology, the key role CCUS could play to decarbonized hard to abate sectors with a focus on steel and cement: an overview of costs and emission reduction potential, and the major opportunities and long-term challenges for this technology in these sectors.

### June 9

- [Carbon Solutions LLC/Fireside Chat on CCS Tech](#)  
Featuring: Richard Middleton - CEO and co-founder of Carbon Solutions LLC
- [Water & Energy: How Do They Mix | I-West](#)

This workshop is an opportunity for regional stakeholders to join the conversation about the challenges and opportunities water presents for energy transition in the Intermountain West.

#### June 13

- [Navigator CO<sub>2</sub> Ventures/Fireside Chat on Heartland Greenway CCS System](#)  
Featuring: Matt Vining - CEO and co-founder of Navigator Energy Services

#### June 14

- [Carbon Conversion/Utilization Procurement Grant Workshop - Construction Materials | USEA](#)

To assist the Carbon Conversion/Utilization program, the USEA cordially is hosting a virtual workshop on durable materials derived from carbon oxides

#### June 14 - 16

- [Registration North America 2022 - Carbon Capture Technology Conference & Expo North America 2022 \(ccus-expo.com\)](#)

The conference will bring together international speakers and delegates to debate and discuss the latest technologies and solutions, strategies, innovations, current and future regulations, by-products and strategies for captured CO<sub>2</sub> and the latest and next-generation techniques and models to help foster a truly sustainable, cost-effective and resource-efficient CCUS sector

#### June 16

- **10<sup>th</sup> Annual D.C. Forum on Carbon Capture and Storage**

The [Global Carbon Capture and Storage Institute](#) is hosting a full day gathering (in person and virtual) on June 16th which will explore CCS topics such as the role of finance, the importance of environmental justice, recent U.S. policy developments, and the latest on global carbon markets.

- **In Person Registration:** <https://www.eventbrite.com/e/320773150127>
- **Virtual Registration:** <https://www.eventbrite.com/e/327341305657>

#### 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 CO<sub>2</sub> 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 CO<sub>2</sub> 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
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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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