



REGIONAL CARBON CAPTURE DEPLOYMENT INITIATIVE

UPDATE

August 12, 2022

BP Drills Appraisal Well for Texas Carbon Storage Project with Linde

BP announced this week that it has begun drilling an appraisal well along the Texas coast this week for its carbon capture and storage site.

Linde will capture and store carbon dioxide from its hydrogen production facilities in the greater Houston area and BP will develop and permit geologic storage sites for the captured carbon. The project will potentially store carbon from Linde's other Texas industrial facilities, could store as much as 15 million tons of carbon dioxide per year, and will produce low carbon hydrogen. Linde will provide the captured CO₂ to their hydrogen customers through its pipeline network in the region.

The project is anticipated to be operational as early as 2026 and will likely be able to capture and store carbon from other nearby industrial sites.

News Coverage:

- [Oil major BP drilling appraisal well in Texas for carbon sequestration | Reuters](#)
- [BP PLC and Linde drill well in Texas for carbon capture and storage \(proactiveinvestors.co.uk\)](#)

DOE Launches Two New Offices to Help Deploy Clean Energy Initiatives

The U.S. Department of Energy (DOE), launched two new program offices this week – the Grid Deployment Office and the Office of State and Community Energy Programs. Together, the offices will drive more than \$23 billion in investments to modernize and expand capacity of the nation's power grid and deploy cheaper, cleaner energy across America.

Read the rest of the DOE's statement [here](#).

ICYMI Senate Passes Inflation Reduction Act

The [Inflation Reduction Act of 2022](#) (IRA) includes \$369B in funding for climate and energy policies. The package proposes transformative enhancements to the 45Q tax credit, including:

- **Multiyear Extension of the Commence Construction Window;**
- **Direct Pay;**
- **Expanded transferability;**
- **Enhanced Credit Values for Industry and Power;**
- **Enhanced Credit Values for Direct Air Capture;**
- **Dramatically Lower Capture Thresholds;**

For more information, please see the [Carbon Capture Coalition's statement](#).

ICYMI Passage of Chips and Science Act Allocates Funding for Carbon Dioxide Removal R&D

President Biden signed the bipartisan [Creating Helpful Incentives to Produce Semiconductors for America fund](#), or Chips and Science Act on Tuesday. The bill includes robust funding for carbon dioxide removal research.

In the bill's section on the Department of Energy's (DOE) Research, Development, and Demonstration Activities (RD&D) is \$1 billion in authorized funding over the next four years to carry out carbon removal RD&D through the Office of Fossil Energy and Carbon Management at DOE. CHIPS more than doubles the existing authorizations for carbon dioxide removal activities at DOE provided in the 2020 Energy Act, which established a robust RD&D program to scale new and improve existing ways to remove carbon dioxide from the atmosphere at levels consistent with meeting midcentury climate goals.

Read the Carbon Capture Coalition's statement [here](#).

NETL Storage Tool Gaining National Attention

NETL's CO₂-SCREEN is a user-friendly tool to estimate CO₂ storage efficiency in a variety of geological environments, including saline formations, shale formations, and residual oil zones.

CO₂-SCREEN is available [here](#).

News Coverage: [NETL's Tool for Estimating Geological Environments for CO₂ Storage Attracts International Attention | netl.doe.gov](#)

News Roundup

- [The Hydrogen Stream: Proposed US tax credit could support US hydrogen – pv magazine International \(pv-magazine.com\)](#)[E&E News | Article | 20 red states warn EPA against carbon emissions standard \(politicopro.com\)](#)
- [E&E News | Article | Report maps how climate bill would cut power costs, CO₂ \(politicopro.com\)](#)

- [Inflation Reduction Act of 2022: The energy tax provisions you need to know about | Eversheds Sutherland \(US\) LLP - JDSupra](#)
 - [DOE announces up to \\$6M to develop clean energy products from coal and coal wastes - Green Car Congress](#)
 - [Pending US Law Offers Big Boost to CO2 Storage Credits in Exchange for New Fees on Methane Emissions \(spe.org\)](#)
 - [Biden signs \\$280 billion chip funding bill \(axios.com\)](#)
 - [E&E News | Article | Climate bill backs oil leasing: How much of a CO2 problem? \(politicopro.com\)](#)
 - [Inflation Reduction Act includes over \\$5 billion for low carbon procurement \(bdcnetwork.com\)](#)
 - [Senate passes bill with new SAF, clean fuel, hydrogen tax credits | Biomassmagazine.com](#)
 - [Senate energy bill could help U.S. carbon capture take flight \(axios.com\)](#)
 - [Will the Climate Bill Transform the Carbon-Capture Business? \(nymag.com\)](#)
 - [Opponents Of Joe Manchin's Permitting Reform Demonstrate Why We Need Permitting Reform \(forbes.com\)](#)
 - [How the climate bill could strengthen EPA regulations - E&E News \(eenews.net\)](#)
 - [Big names including Amazon, Honeywell, Mitsubishi line up behind green hydrogen | BusinessGreen News](#)
 - [Fossil-Fuel Capacity and the Journey to Net-Zero \(azocleantech.com\)](#)
 - [Midwest Collaborative Sets Sights on a Breakthrough Clean Energy Economy | Market Screener](#)
 - [Oxy's Hollub Says 'Good Things' in Senate Bill for E&Ps, CCUS - Natural Gas Intelligence](#)
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Global News

- [Start-up of Saipem's carbon capture pilot plant \(cemnet.com\)](#)
 - [COOEC completes major offshore works for Chinese carbon capture and storage project | Upstream Online](#)
 - [CSRWire - Enbridge Is Working Together for Change](#)
 - [green hydrogen: ScottishPower gears up to build green hydrogen plant at Felixstowe Port. Check out the details - The Economic Times \(indiatimes.com\)](#)
 - [Ecopetrol Committed to Long-term \\$2.5 Billion Hydrogen Strategy \(yahoo.com\)](#)
 - [Energy Crisis Bolsters Green Hydrogen and CCUS Projects - OGV Energy](#)
 - [A Briefing on Carbon Capture Technology and Sustainable Energy Transition - IDN- InDepthNews | Analysis That Matters](#)
 - ['Green' aviation: Luton Airport joins carbon capture study | News | gasworld](#)
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New podcasts, reports, statements & blogs

- [Air Pollution from Global Steel Industry — Global Efficiency Intelligence](#)

- [Air Pollution from Global Cement Industry — Global Efficiency Intelligence](#)
 - [Fossil-Fuel Options for Power Sector Net-Zero Emissions with Sequestration Tax Credits | Environmental Science & Technology \(acs.org\)](#)
 - [Carbon Capture and Storage - a serious contributor to the net-zero transition? - Lexology](#)
 - [Idaho National Lab and Bloom Energy Produce Hydrogen at Record-Setting Efficiencies - Bloom Energy](#)
 - [What Could Keep Climate Change From Becoming Catastrophic? | WIRED](#)
 - [Industrial Decarbonization: The Path to a Cleaner Future - EIN Presswire \(einnews.com\)](#)
 - [Global Hydrogen Regulatory Frameworks Analysis and Growth Opportunities Report 2022 - ResearchAndMarkets.com | Business Wire](#)
 - [Boeing Takes New Role to Help Cut Aviation Emissions Faster | WebWire](#)
 - [Cheap material could capture CO2 from tailpipes - Futurity](#)
 - [Rail cars capturing CO2 could make rail carbon-neutral | RailTech.com](#)
 - [Hydrogen has the potential to remake transportation \(sustainability-times.com\)](#)
 - [How much industrial carbon have we buried? Much less than thought \(nature.com\)](#)
 - [Preliminary Agenda Announced for the 2022 National Carbon Capture Conference & Expo - EIN Presswire \(einnews.com\)](#)
 - [This Power Plant Runs on CO2 - IEEE Spectrum](#)
 - [Support for carbon capture and sequestration is key to greener, more reliable grid | Mirage News](#)
 - [Retail Electricity Rates Under IRA \(rff.org\)](#)
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News in the States

Alabama

- [Fuel Cells Finally Find a Killer App: Carbon Capture - IEEE Spectrum](#)

California

- [Newsom to Legislature: Ramp up climate change targets - CalMatters](#)
- [UPDATE – California’s Newsom proposes tougher 2030 GHG goal, pushing up CCA prices « Carbon Pulse \(carbon-pulse.com\)](#)
- [Carbon management projects in Kern net \\$500 million investment | News | bakersfield.com](#)
- [CRC: Brookfield Confirms Carbon Capture Opp., Increased Cash Flow Leads To Bigger Buybacks | Seeking Alpha](#)
- [Nikola Announces Locations of Three California Hydrogen Dispensing Stations, Continued Scaling of Infrastructure - Hydrogen Central \(hydrogen-central.com\)](#)

Delaware

- [Inflation Reduction Act aims to lower costs in multiple areas of the economy | Delaware First Media \(delawarepublic.org\)](#)

Illinois

- Illinois biofuel industry a jobs creator, new DOE report finds | Illinois | thecentersquare.com

Iowa

- Summit Carbon Solutions considering eminent domain to build pipelines (ketv.com)
- Summit Carbon Solution To Begin Releasing Names Of Landowners Rejecting Pipeline – KIWARadio.com
- Summit Carbon Solutions: 700+ Iowa landowners sign easements | EthanolProducer.com
- Pipeline seeking eminent domain fallback - Cherokee Chronicle Times
- Summit has easements for 270 miles of its carbon pipeline in Iowa - Radio Iowa
- IUB Sets Northeast Iowa Public Hearings on Carbon Pipeline Project – KCHA News

Louisiana

- Funding opportunities for carbon capture, storage and transport projects | New Orleans CityBusiness
- CapturePoint Solutions announces intended partnership with Energy Transfer | Hydrocarbon Engineering
- Experts say a taxpayer-funded \$198.5M carbon capture project in Louisiana would be questionable | Louisiana | thecentersquare.com
- Inflation Reduction Act: What are Louisiana politicians saying? (postsouth.com)
- CF Industries announces \$198.5MM plan to produce blue ammonia at Donaldsonville complex - BIC Magazine
- CF Industries Plans Ascension Parish, Louisiana, Compression-Dehydration Plant - Area Development

Nebraska

- Federal funding for renewable energy projects in Nebraska, Iowa possible (ketv.com)
- Commissioners to meet with Carbon Solutions representative | Latest News | yorknewstimes.com

New Mexico

- Time has all but run out for world's 'largest carbon capture project' | S&P Global Market Intelligence (spglobal.com)
- Climate provisions part of Senate-passed Inflation Reduction Act | The NM Political Report
- FEUS has not finalized plans to replace its 47 megawatts from SJGS (daily-times.com)

North Dakota

- Sen. Cramer Celebrates the Commissioning of New BNI Dragline in Center (senate.gov)
- First carbon capture project underway in ND (kxnet.com)
- Open house for Red Trail Energy's carbon capture process (kfyrtv.com)
- Red Trail Energy waiting to benefit from Carbon Capture operations | AM 1100 The Flag WZFG
- North Dakota county throws 100% voluntary easement mandate, \$135 million fee at Summit Carbon pipeline

Pennsylvania

- [A hydrogen hub in Western PA would require capture of carbon \(publicsource.org\)](#)

South Dakota

- [Landowners from eight counties file complaints against Summit Carbon Solutions](#)

Texas

- [Occidental seeks tax breaks to finance carbon recapture plants in Texas | The Texas Tribune](#)
- [Plug Power, New Fortress Energy to bring green hydrogen plant to Texas coast | S&P Global Commodity Insights \(spglobal.com\)](#)
- [CapturePoint Solutions LLC Announces Intended Partnership With Energy Transfer | BusinessWire](#)

Virginia

- [Craft brewers' latest challenge: Carbon dioxide shortage | The Washington Post](#)

West Virginia

- [Republicans set sights on Manchin over climate bill - E&E News \(eenews.net\)](#)
- [Manchin Letter to Coal Association \(senate.gov\)](#)
- [Manchin's Inflation Reduction Act Will Lower Energy And Healthcare Costs, Increase Domestic Energy Production And Pay Down National Debt | U.S. Senator Joe Manchin of West Virginia \(senate.gov\)](#)

Wyoming

- [Support for carbon capture and sequestration is key to a greener, more reliable grid - News Azi](#)
- [Gordon adds project manager to natural resources, energy team | Local News | wyomingnews.com](#)
- [Inflation Reduction Act is opportunity for Wyo energy diversity - WyoFile](#)

Upcoming events

August 15

[The Inflation Reduction Act – What Lies Ahead for Climate, Energy and Tax Policy \(accessionmeeting.com\)](#)

Join Shannon Angielski, Principal at Van Ness Feldman, Executive Director of the Carbon Utilization Research Council and President of the Clean Hydrogen Coalition, in a conversation with Michael Platner, Senior Tax Counsel, as they shed light on what the passage of the Inflation Reduction Act means for climate and energy tax policy in the coming months. Topics to be covered will include modifications to existing energy and climate tax programs, as well as an introduction to newly created energy and climate tax credits.

August 15-19

[2022 Carbon Management Project Review Meeting | netl.doe.gov](#)

Researchers will provide updates on research and development (R&D) projects funded by the following FECM R&D programs: Point Source Carbon Capture, Carbon Dioxide Removal, Carbon Conversion, and Carbon Storage.

August 16

[EPA EJ Community Engagement Call](#)

The purpose of these calls is to inform communities about EPA's environmental justice work and enhance opportunities to maintain an open dialogue with environmental justice advocates. As environmental justice continues to be integrated into EPA programs and policies, the Agency hopes that these calls will help reaffirm EPA's continued commitment to work with community groups and the public to strengthen local environmental and human health outcomes.

August 17

[DOE Justice40 Kickoff](#)

This virtual event will introduce how the Department of Energy is implementing the Justice40 Initiative and announce its J40 covered programs, including those funded by the historic Bipartisan Infrastructure Law. It will feature representatives from offices across the Department of Energy highlighting how their programs are already working toward J40.

August 23

[IEAGHG Webinar: Low-carbon hydrogen from natural gas: Global roadmap](#)

A webinar to discuss the IEAGHG Technical Report, Low-carbon hydrogen from natural gas: Global roadmap.

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.

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 Want to read more carbon management updates, studies, and fact sheets? Visit us at [Carbon Capture Ready](#).

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