



REGIONAL CARBON CAPTURE DEPLOYMENT INITIATIVE

UPDATE

August 5, 2022

All Signs Point to Transformative Climate and Energy Policy in the US

Senate Majority Leader Chuck Schumer (D-NY) and Senator Joe Manchin (D-WV) unveiled the latest iteration of the Democrat's budget reconciliation package, the Inflation Reduction Act (IRA) last week – an August surprise that includes a nearly \$370 billion climate and energy package. When coupled with the groundbreaking carbon management provisions included in the Bipartisan Infrastructure Law, the [Carbon Capture Coalition estimates](#) that carbon management technologies could see a 13-fold increase in carbon management deployment and contribute between 210 and 250 million metric tons of annual emissions by 2035 thanks to these transformative measures.

Read more about the state of play in carbon management here: [All Signs Point to Transformative Climate and Energy Policy in the US | LinkedIn](#)

Congress Passes Bipartisan CHIPS Act

Congress has passed the bipartisan [Creating Helpful Incentives to Produce Semiconductors for America fund](#), or the CHIPS Act, of 2022 and the bill is now awaiting President Biden's signature.

Included 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.

This strategic investment will bolster a myriad of science and technology research programs for clean energy, such as:

- Authorizing research, development, and demonstration aligned with the 10 technology areas in the applied energy offices, including advanced manufacturing, and industrial emissions reduction technology.
- Authorizing appropriations for clean industrial technologies, alternative fuels, and carbon removal.
- Authorizing appropriations for the Advanced Research Projects Agency.

- Establishing a low-emissions steel manufacturing research program also known as the Steel Upgrading Partnerships and Emissions Reductions or “SUPER Act.”
- Establishing a Carbon Materials Research Initiative.
- Establishing a Carbon Sequestration Research and Geologic Computational Science Initiative.
- Establishing at least two carbon storage research and geologic computational science centers.
- Establishing a Foundation for Energy Security and Innovation affiliated with the Department of Energy with authorized support for workforce development initiatives associated with energy technology development

Read the Carbon Capture Coalition’s statement: [here](#)

Capture Point Solutions to Evaluate Capture of CO₂ from Shale Natural Gas Facilities for Storage in the Central Louisiana Regional Carbon Storage Hub

CapturePoint Solutions LLC announced today that it has signed a Letter of Intent (LOI) with a subsidiary of Energy Transfer to participate in a feasibility study to capture CO₂ emissions from Haynesville Shale natural gas production facilities for sequestration in the Central Louisiana Regional Carbon Storage Hub (CENLA Hub).

CapturePoint Solutions is evaluating and developing a number of proposed storage sites in the CENLA Hub and filed for an EPA Class VI permit in June 2022 to advance the first operational location. The geology of the region could allow the CENLA Hub to permanently store several hundred million tons of CO₂. Beyond the CO₂ sourced from the Haynesville Shale natural gas facilities, CapturePoint Solutions will continue to seek additional industrial sources of carbon dioxide emissions for capture and storage in the hub.

The CENLA Hub has the potential to be one of the largest onshore deep underground carbon storage centers in the United States, with the capacity to permanently secure millions of tons of CO₂ annually that might have otherwise been emitted into the atmosphere.

CEQ Requesting Nominations for Two Regional Task Forces

The Council for Environmental Quality (CEQ) is moving forward with the formation of [two regional task forces](#) to improve the performance of the permitting process for carbon management projects on federal and non-federal lands.

“The task forces, which are required by the Utilizing Significant Emissions with Innovative Technologies (USE IT) Act, will provide recommendations to the Federal government on how to ensure that CCUS projects, such as carbon dioxide pipelines, are permitted in an efficient manner, reflect the input and needs of a wide range of stakeholders, and deliver benefits rather than harms to local communities.”

The CEQ is seeking nominations of a diverse range of qualified candidates to serve on the task forces and is prioritizing ensuring that the experiences and perspectives of environmental justice communities are reflected in the task forces.

Members of the public can submit nominations using the following links:

- [Requests for Nominations: Carbon Dioxide Capture, Utilization and Sequestration Federal Lands and Outer Continental Shelf Permitting Task Force](#)
 - [Requests for Nominations: Carbon Dioxide Capture, Utilization and Sequestration Non-Federal Lands Permitting Task Force](#)
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News Roundup

- [Winners and losers in the 'CHIPS and Science' bill - E&E News \(eenews.net\)](#)
 - [Chips Act authorizes carbon dioxide removal research - Protocol](#)
 - [Xcel eyes CO2-free transportation in 8 states - E&E News \(eenews.net\)](#)
 - [Is the Manchin deal a tipping point for CO2-heavy energy? - E&E News \(eenews.net\)](#)
 - [Democrats plot endgame for reconciliation, climate bill - E&E News \(eenews.net\)](#)
 - [Summit Carbon Solutions equity campaign for 5-state carbon capture project reaches \\$1 billion in commitments - InForum | Fargo, Moorhead and West Fargo news, weather and sports](#)
 - [Chart, Wolf Carbon Solutions Develop Carbon Capture System \(environmentalleader.com\)](#)
 - [What's in the Inflation Reduction Act, Part 2 | RTO Insider](#)
 - [Future Trains Could Provide Carbon Capture on Wheels - IEEE Spectrum](#)
 - [High Carbon Capture Rates at U.S. Coal Plant a 'Myth', IEEFA Analysis Shows | The Energy Mix](#)
 - [US developers stand by blue hydrogen as some question its competitiveness | S&P Global Market Intelligence \(spglobal.com\)](#)
 - [Storegga targets the US with new business | News | gasworld](#)
 - [The case for federal procurement of carbon removal \(illuminem.com\)](#)
 - [Biden announces pick for new DOE infrastructure position - E&E News \(eenews.net\)](#)
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Global News

- [Large-scale study to explore CCS on ships | News | gasworld](#)
- [K Line, JGC and JAPEX team up for joint CCS study in Malaysia - Offshore Energy \(offshore-energy.biz\)](#)
- [A Japanese Project Demonstrates a Carbon Neutrality Pathway for Coal Power \(powermag.com\)](#)
- [Samsung, SK, Lotte, POSCO take carbon capture tech to Southeast Asia \(koreatimes.co.kr\)](#)
- [IOM3 | Drax submits plans to build world's largest carbon capture and storage project](#)
- [RECODEH2020 carbon capture demonstration project at Kamari plant \(cemnet.com\)](#)
- [Middle East may become leader in global carbon capture | Hellenic Shipping News Worldwide](#)

- [Mike Nasi Briefs United Nations on CCUS as a Solution to Energy Poverty and CO2 Emissions – Jackson Walker \(jw.com\)](#)
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New podcasts, reports, statements & blogs

- [Climate Change Trailblazer Tanja Vujic Joins Jenner & Block to Lead New Transitions in Energy and Climate Solutions \(TECS\) Practice \(prnewswire.com\)](#)
 - [Pore Space 101: Carbon Capture Can't Rock and Roll Without Storage – ClearPath](#)
 - [Industry Day - WV Hydrogen Hub Coalition \(wvh2hub.com\)](#)
 - [Williams Invests in Technology to Generate Zero-Emission Hydrogen with Natural Gas | Business Wire](#)
 - [Offshore wind projects may complicate CO2 storage, IEA says \(trend.az\)](#)
 - [Going giga: The race to scale up the direct air capture \(DAC\) industry \(energymonitor.ai\)](#)
 - [New 'lab on a chip' may accelerate carbon storage efforts | Stanford News](#)
 - [Navigator CO2 Ventures Moving to Omaha - EIN Presswire \(einnews.com\)](#)
 - [CARBON DIOXIDE REMOVAL PROGRAM \(doe.gov\)](#)
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News in the States

California

- [Opinion: Carbon capture is a crucial tool in California's climate plan \(mercurynews.com\)](#)
- [Funding California's \\$308B Budget in Question As Newsom Ramps Up Climate Goals - Natural Gas Intelligence](#)

Colorado

- [Inflation Reduction Act could pass soon, with tax credits available for Grand Valley | Business | gjsentinel.com](#)
- [Keeping Colorado On Path Of Achieving 100% Renewable Energy By 2040: Polis Administration On Behalf Of The Western Inter-States Hydrogen Hub, Announces A Request For Proposals For Prime Contractor \(fuelcellworks.com\)](#)

Illinois

- [Illinois CCS Demonstration Project, Education and Outreach at the National Sequestration Education Center, Decatur, Illinois | USEA | United States Energy Association](#)

Iowa

- [Bremer County Supervisors express disapproval of proposed carbon pipeline | Political News | wfcourier.com](#)
- [Pipeline meeting slated in Clinton Aug. 30 | Local News | maqnews.com](#)

Louisiana

- [LSU researchers seek to reduce emissions associated with natural gas use \(1012industryreport.com\)](#)

- [CapturePoint proposes new carbon capture facility for Louisiana | Reuters](#)

Minnesota

- [CURE working with landowners concerned about proposed pipeline - Agweek | #1 source for agriculture news, farming, markets](#)

New Mexico

- [NM Promotes Western-Inter States call for Western-Inter States Regional Clean Hydrogen Center Installation - BORDERNOW \(border-now.com\)](#)
- [Farmington electric has not finalized plans for replacing its 47 megawatts from San Juan Generating Station | The NM Political Report](#)

North Dakota

- [North Dakota's 'jackpot' formations important to energy of the future | Oil And Energy | willistonherald.com](#)
- [Inflation Reduction Act includes better carbon sequestration credits | Oil And Energy | willistonherald.com](#)
- [Burgum, Sanford Applaud Start Of First Carbon Storage Project In ND As Huge Step Forward For Energy Industry - The Roundup \(roundupweb.com\)](#)

Ohio

- [Babcock & Wilcox To Provide Advanced Hydrogen Generation, Combustion And Decarbonization Technologies For Clean Energy Project In Ohio \(poweronline.com\)](#)
- [Agreement signed on Pike County's Hydrogen Production and Sustainable Manufacturing Facility | Community | newswatchman.com](#)

Oregon

- [NW Natural Testing Natural Gas in Oregon Turquoise Hydrogen Pilot - Natural Gas Intelligence](#)
- [NW Natural To Partner With Modern Electron On Exciting Pilot Project To Turn Methane Into Clean Hydrogen And Solid Carbon \(chemicalonline.com\)](#)

Pennsylvania

- [CATF joins cross-sector collaborative to decarbonize Pennsylvania, advance carbon capture and hydrogen – Clean Air Task Force \(allhealthyinfo.com\)](#)

South Dakota

- [Carbon pipeline, opposed by some landowners, may split South Dakota's Republican caucus over eminent domain - Mitchell Republic | News, weather, sports from Mitchell South Dakota](#)
- [South Dakota landowners must allow surveys, Carbon legal filing says - Aberdeen News](#)
- [Landowners in 7 more South Dakota counties file complaints against Summit Carbon Solutions \(yahoo.com\)](#)

Texas

- [Lessons learned: Chevron looks forward after Gorgon CCS shortfalls | Upstream Online](#)

Utah

- [A conversation with energy leaders in Utah - Utah Business](#)

Wyoming

- [Made in America – Showcasing Wyoming's legacy as an energy leader - Casper, WY Oil City News](#)
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Upcoming events

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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