



REGIONAL CARBON CAPTURE DEPLOYMENT INITIATIVE

UPDATE

August 26, 2022

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](#).

Rhode Island and Maine to Join New York's Multi-State Hubs Agreement

On Thursday, August 25, Rhode Island and Maine joined New York, Connecticut, Massachusetts, and New Jersey in a multi-state agreement to develop a proposal to become one of the U.S. regional clean hydrogen hubs funded under last year's Bipartisan Infrastructure Law.

The consortium now has six states and over 60 hydrogen ecosystem partners. These partners include 14 private sector industry leaders, 12 utilities, 20 hydrogen technology original equipment manufacturers (OEMs), 10 universities, seven non-profits, five other states, two transportation companies and three state agencies.

Read the initial announcement from March 2022 [here](#).

Associated News

- [Governor Hochul Announces Maine and Rhode Island Join Multi-State Agreement to Propose a Regional Clean Hydrogen Hub - NYSERDA](#)
- [Maine and Rhode Island join New York-led hydrogen hub consortium \(h2-view.com\)](#)

- [Hydrogen - Six US states join agreement proposing clean hydrogen hub - Renewable Energy Magazine, at the heart of clean energy journalism](#)
- [Maine, Rhode Island Join Multistate Hydrogen Agreement | RTO Insider](#)
- [E&E News | Article | Northeast states plan renewable hydrogen hub \(politicopro.com\)](#)

Western Interstate Hydrogen Hub Coalition Releases Request for Expression of Interest

The Western Inter-States Hydrogen Hub (WISHH) coalition released a Request for Expression of Interest (RFEI) on Thursday to solicit input from key stakeholders on the development of a hub in the region. The RFEI creates an avenue for stakeholders to provide input in developing a regional clean hydrogen hub across Colorado, New Mexico, Utah, and Wyoming.

Submit input [here](#).

Associated News:

- [Request For Expression Of Interest Released By The Western Interstate Hydrogen Hub Coalition \(fuelcellsworks.com\)](#)
- [Request for expression of interest released by The Western Interstate Hydrogen Hub Coalition - Utah Business](#)
- [Request for Expression of Interest Released by The Western Interstate Hydrogen Hub Coalition \(grantcountybeat.com\)](#)

DOE Awards \$29 Million to Advance Clean Hydrogen Production

The Department of Energy (DOE) [today announced](#) that it is awarding \$28.9 million to 15 industry- and university-led projects. DOE's National Energy Technology Laboratory will manage the 15 selected projects, which address the following topics:

- Production of low-cost, carbon-neutral hydrogen from sustainable biomass feedstocks.
- Production of clean hydrogen from blended feedstocks that include biomass, waste coal, waste plastics, and municipal solid wastes, with carbon capture.
- Front-end engineering design studies to design and implement carbon capture systems that enable the production of clean hydrogen from natural gas.

A list of the selected projects can be found [here](#).

DOE Announces \$32 million FOA for Clean Hydrogen Research

In the same announcement as above, the DOE announced a \$32 million funding opportunity for research advancing clean hydrogen technology solutions including:

- Development of technologies to advance clean hydrogen production from sustainable biomass, municipal solid wastes, coal wastes and waste plastics.

- Further development of existing natural gas to hydrogen processes to bring them closer to commercialization.
- Performance improvements for leak detection in hydrogen pipelines and transportation infrastructure.
- Options for safe, long-term subsurface hydrogen storage.

Read the full funding opportunity announcement [here](#).

US Department of Energy Invests \$31 Million to Advance Carbon Capture and Storage for Natural Gas Power and Industrial Sectors

DOE's Office of Fossil Energy and Carbon Management (FECM) [today announced](#) more than \$31 million in funding for 10 projects to develop carbon capture technologies capable of capturing at least 95 percent of carbon dioxide emissions from natural gas power plants, waste-to-energy power plants, and industrial applications, including cement and steel. DOE's National Energy Technology Laboratory will manage the 10 selected projects.

A detailed list of the selected projects can be found [here](#).

Occidental Plans to Begin Construction on DAC Plant in Texas

Occidental is set to begin the first stage of construction in the third quarter of this year on the world's largest direct air capture (DAC) project in the US Permian basin, Texas.

The facility aims to remove 500,000 metric tons of carbon dioxide from the atmosphere per year, with a goal of scaling up to remove 1 million tonnes of CO₂ per year. The facility would be part of a larger suite of carbon capture projects, including three carbon storage hubs. The company anticipates these hubs coming online by 2025 in addition to 70 direct air capture facilities by 2035.

Facility startup is anticipated in late 2024.

Associated News Coverage

- [Occidental to break ground on Texas direct air capture project \(yahoo.com\)](#)
- [Oxy's DAC Project to Lasso CO₂ from Texas Permian Oilfields - Natural Gas Intelligence](#)
- [Occidental, 1PointFive to Begin Construction of World's \(globenewswire.com\)](#)

CUSP-West Debuts Video Series for Ongoing Utah Research

CUSP is a DOE-funded regional initiative established to accelerate onshore CCUS technology, with CUSP West focusing on CCUS technology deployment in the Western Region of the United States. CUSP West recently debuted its first video in its series about its efforts to develop CCUS technology.

Watch the [video](#) to see what researchers are doing in Utah to advance decarbonization and carbon management.

News Roundup

- [Why the carbon capture subsidies in the climate bill are good news for emissions | MIT Technology Review](#)
 - [Climate law seen driving 'demand destruction for fossil fuels' - E&E News \(eenews.net\)](#)
 - [Buffett's company likely to add to its stake in Occidental | Raleigh News & Observer \(newsobserver.com\)](#)
 - [Climate Bill's Subsidy Bonanza Gives New Allure to CO2 Capture \(bloombergtax.com\)](#)
 - [Carbon capture companies will gain from Inflation Reduction Act — Quartz \(qz.com\)](#)
 - [Carbon Capture And Storage: Will It Work This Time? \(forbes.com\)](#)
 - [Tracking the Energy Transition: US Clean Energy Hub, South Korean Wind, Jet Fuel From the Sun, and ... Plasmalysis? \(spe.org\)](#)
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Global News

- [Canada, Germany sign deal to start hydrogen shipments by 2025 - Alaska Highway News](#)
 - [Inpex, Woodside, TotalEnergies win Australian Offshore Acreage for Carbon Capture Studies \(oedigital.com\)](#)
 - [Broker Marsh launches world first insurance for hydrogen projects | Reuters](#)
 - [Latin America takes early lead in surging carbon capture industry – 24/7 Wall St. \(247wallst.com\)](#)
 - [Fluxys, ArcelorMittal Belgium and North Sea Port move forward to foster decarbonisation in Belgium \(drycargomag.com\)](#)
 - [Scottish Cluster is 'mission critical' to UK reaching net zero \(energyvoice.com\)](#)
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New podcasts, reports, statements & blogs

- [Bkv Corporation To Expand Carbon Capture, Utilization, And Sequestration Efforts With Verde Agreement - Ein Presswire \(Einnews.Com\)](#)
 - [Mantel Launches Carbon Capture Technology to Reduce the World's Atmospheric CO2 and Help Achieve Net-Zero | Business | valdostadailytimes.com](#)
 - [Class VI \(Geologic Sequestration\) Permit Application and Permitting Tools | US EPA](#)
 - [Class VI Wells Permitted by EPA | US EPA](#)
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News in the States

Arkansas

- [Governors Working Together : Arkansas Governor Asa Hutchinson](#)

California

- [SoCalGas Breaks Ground on First-of-its-Kind Technology to Produce Clean Hydrogen for SunLine Transit Agency's Hydrogen Fuel Cell Electric Buses - Hydrogen Central \(hydrogen-central.com\)](#)

Colorado

- [How Democrats' climate bill will 'supercharge' Colorado's clean-energy efforts - Colorado Newsline](#)

Connecticut

- [Biden signs Inflation Reduction Act: Its climate promise relies heavily on carbon capture, meaning thousands of miles of pipeline \(ctpost.com\)](#)
- [The Inflation Reduction Act and its impact on carbon capture, explained | Connecticut Public \(ctpublic.org\)](#)

Idaho

- [Idaho National Laboratory aims towards net-zero \(kivitv.com\)](#)

Illinois

- [Landowners file opposition to carbon pipeline \(tspr.org\)](#)
- [In climate jobs era, here's what Inflation Reduction Act means for Illinois workers - Chicago Sun-Times \(suntimes.com\)](#)

Iowa

- [Pottawattamie County supervisors oppose eminent domain \(kcci.com\)](#)
- [IUB Holds Northeast Iowa Carbon Pipeline Public Hearings – KCHA News](#)
- [Delaware County Landowners Opposed to Proposed Carbon Capture Pipeline – Mix 94.7 KMCH](#)
- [Iowa landowner says he wasn't pressured in carbon pipeline deal \(ktiv.com\)](#)
- [Delaware County residents voice concerns about safety of proposed CO2 pipeline | Tri-state News | telegraphherald.com](#)
- [Informational Meeting on Proposed Carbon Pipeline Project in Manchester Today – Mix 94.7 KMCH](#)
- [In Iowa, carbon pipeline politics get complicated | The Gazette](#)

Louisiana

- [CF Industries Holdings-Mitsui Plan Ascension Parish, Louisiana, Carbon Capture Ammonia Plant - Area Development](#)
- [Strategic Biofuels wins \\$1M grant from DHS and FEMA | Biomassmagazine.com](#)
- [State approves tax breaks for \\$4.2 billion trio of projects in Ascension, St. James parishes | Business | theadvocate.com](#)
- [Southern Louisiana Pointed Out As Major CCUS Hotbed | Rigzone](#)
- [Cassidy Highlights Need to Ramp Up Louisiana Energy Output | Rigzone](#)

- [Press Release | Press Releases | Newsroom | U.S. Senator Bill Cassidy of Louisiana \(senate.gov\)](#)

Michigan

- ['Hydrogen hub' planned for test track in Michigan | Automotive News \(autonews.com\)](#)

Minnesota

- [St. Anthony: Minnesota's mining push buoyed by new climate-change law \(startribune.com\)](#)

Mississippi

- [The Inflation Reduction Act: First Step Towards Solving Climate Change \(mississippifreepress.org\)](#)

Montana

- [IRA could transform energy development in Montana \(montanafreepress.org\)](#)
- [The Inflation Reduction Act incentivizes capturing carbon emissions | Montana Public Radio \(mtrp.org\)](#)

Nebraska

- [University assessing greenhouse gas sequestration resources | Nebraska Today | University of Nebraska–Lincoln \(unl.edu\)](#)

North Dakota

- [Inflation Reduction Act includes carbon credits Montana, North Dakota need | Oil And Energy | willistonherald.com](#)

Pennsylvania

- [Shell, Equinor and U.S. Steel Partnering on CCUS, Hydrogen Hubs in Appalachia - Natural Gas Intelligence](#)

South Dakota

- [How Summit saw South Dakota as a goldrush for carbon capture pipeline - Argus Leader](#)

Texas

- [IRA provisions could cut methane emissions \(ny1.com\)](#)
- [Air Liquide to build \\$550MM ASU, Baytown, Texas - BIC Magazine](#)
- [Chevron says its committed to energy transition for the long haul \(houstonchronicle.com\)](#)
- [Will Texas clean hydrogen projects score Department of Energy funds? - Houston Business Journal \(bizjournals.com\)](#)

Utah

- [The Intermountain coal plant in Utah could be the first to convert to hydrogen energy \(mic.com\)](#)

Wyoming

- [Righetti Named UW's Occidental Chair in Energy and Environmental Policies | News | University of Wyoming \(uwyo.edu\)](#)
 - [Court rulings threaten to hasten Wyo coal's demise - WyoFile](#)
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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.

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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