

REGIONAL CARBON CAPTURE DEPLOYMENT INITIATIVE

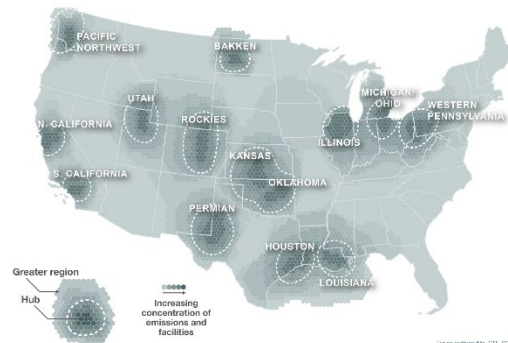
UPDATE

February 4, 2022

New Atlas Showcases Carbon and Hydrogen Hub Potential Across United States

The Great Plains Institute has released a new *Atlas of Carbon and Hydrogen Hubs for United States Decarbonization* that showcases the potential locations for 14 carbon management and zero-carbon hydrogen hubs in eight regions of the United States to help our nation expand and accelerate emissions reductions and carbon removal across the country.

The highlighted hubs and regions included in the *Atlas* were identified based on multiple criteria that integrate each region's energy, industrial and geologic assets. Criteria include the concentration of large industrial facilities, number of facilities eligible for the federal 45Q tax credit, proximity to geologic formations for permanent CO₂ storage and existence of multi-modal distribution and conventional energy distribution infrastructure.



This information represents an early first step in considering advantages and opportunities for particular regions to deploy commercial and pilot-scale technology demonstrations, transport and distribution infrastructure, and storage sites as part of carbon management and hydrogen hubs to be funded through recently enacted bipartisan infrastructure legislation.

[Click here](#) to read GPI's blog post.

More than 110 Companies, NGOs and Labor Unions Support Clean Energy and Industrial Provisions in Pending Budget Reconciliation Legislation

More than 110 companies, non-profits and labor unions, including several members of the Carbon Capture Coalition, sent a [letter](#) to House and Senate Democratic leadership this week noting the broad support for the clean energy and industrial tax provisions in pending budget

reconciliation legislation. The letter goes on to request that these key components, including critical enhancements to the federal Section 45Q tax credit, remain part of any subsequent iteration of the package.

Read the Carbon Capture Coalition blog post [here](#).

Minnesota Public Utilities Commission Seeks Public Comment on Potential CO₂ Pipeline Rulemaking

The Minnesota PUC recently closed an initial public comment period seeking information on whether they should open a rulemaking proceeding to amend the definition of “hazardous liquid”. The PUC is considering the issue due to the current national interest in large scale development of CO₂ transport infrastructure. Based on available climate science, it is clear that carbon management projects must be deployed at large scale to meet mid-century climate goals. The PUC is considering this definition change as it may provide opportunities to make project authorizations more efficient.

GPI State and Regional Policy Manager Matt Fry submitted comments to the Commission noting the potential for unintended consequences from the proposed language that would classify liquid CO₂ as a hazardous liquid. Our comments to the PUC are available at [MNPUC-Docket-U999CI-21-847-1.pdf \(betterenergy.org\)](#).

CO CCUS Task Force Releases Final Recommendations

On February 1, 2022, Colorado’s CCUS Task Force submitted their recommendations to Governor Polis and State Policymakers that, if implemented, could support large scale deployment of carbon management projects. The Task Force was comprised of diverse stakeholders that worked together to develop a set of recommendations that could support Colorado’s efforts to achieve their mid-century climate goals. The Task Force hosted a virtual public engagement session in November to discuss their draft recommendations and solicit public comments, which were used to inform the Task Force final recommendations. The recommendations are available at [Task Force Recommendations Final \(mines.edu\)](#).

White House Releases IIJA “Guidebook”; DOE Launches “One Stop Shop” Web Page

The White House released a new [guidebook](#) this week aimed at providing federal, state and local officials with comprehensive information on the implementation of the Infrastructure Investment & Jobs Act. A section of the guidebook is dedicated to the IIJA climate, energy and environmental provisions (go to page 152). The website also features a [CSV of the data](#) contained in the guidebook.

DOE has also launched a [“one stop shop”](#) page on their website for IIJA implementation. The new web page includes summaries of current program and funding opportunities.

News Roundup

- [Environmental Groups Launch Lobbying Blitz to Push Biden Bill - Bloomberg](#)
 - [Oxy's Hollub chooses output growth and carbon capture | Argus Media](#)
 - [Researcher floats pairing offshore wind with carbon removal tech - Axios](#)
 - [POLITICO Pro | Article | CCS in the Gulf: Climate solution or green washing?](#)
 - [Guidebook aims to help communities tap infrastructure funds \(msn.com\)](#)
 - [Now the work begins as hydrogen and carbon capture projects seek financing - Power Engineering \(power-eng.com\)](#)
 - [Talos Eyes Big Carbon Capture Role in the US and Beyond \(spe.org\)](#)
 - [POLITICO Pro | Article | DOE coal panel gets new name, focus](#)
 - [Amazon, Target and other corporate giants lead record 'clean' energy buying - MarketWatch](#)
 - [POLITICO Pro | Article | Report outlines how to build CCS, hydrogen 'hubs'](#)
 - [New Tech Could Cut Carbon Capture Energy Use By 70% - Bloomberg](#)
 - [14 regions identified for potential hydrogen, carbon storage hub locations | S&P Global Platts \(spglobal.com\)](#)
 - [Net Zero Project Collaboration between Rimrock Energy Management and 8 Rivers Capital to Accelerate U.S. Decarbonization | State | wataugademocrat.com](#)
 - [Carbon dioxide pipelines unearth anxiety in farm country | Agri-Pulse Communications, Inc.](#)
 - [Biggest hurdle to U.S. energy policy revamp? Millions of displaced workers – Harvard Gazette](#)
 - [Bill Gates invests in carbon capture startup | Innovators magazine](#)
 - [Green Energy: Great Plains Institute identifies 14 locations across the US for hydrogen and carbon management hubs - Stockhead](#)
 - [POLITICO Pro | Article | How states could topple Biden's Justice40 goals](#)
 - [POLITICO Pro | Article | House bill eyes carbon capture for refinery emissions](#)
 - [Good News: Rocks Crack Under Pressure from Mineral CO2 Storage - Eos](#)
 - [Biden Order to Be Aimed at Raising Wages on Infrastructure Jobs - Bloomberg](#)
 - [What you need to know about minerals and the clean... | Canary Media](#)
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Global News

- [Aker Carbon Capture to Collaborate With Altera and Hoegh LNG - MarketWatch](#)
- [Sinopec Finishes First Megaton CCUS Project In China | Rigzone](#)
- [Indigenous coalition goes head-to-head against oil giants to build Alberta carbon capture complex | CBC News](#)
- [Petronas partners with Japan's Japex to explore Malaysian carbon capture opportunities | Upstream Online](#)
- [Urgency needed on carbon capture tax credit, clean fuel standards, Shell Canada says - The Globe and Mail](#)
- [Carbon capture investment decisions to watch in 2022: WoodMac | Upstream Online](#)

- [B.C. oil and gas producers to cut 3.5 million tonnes of emissions - Alaska Highway News](#)
 - [Zero Carbon Humber: Velocys and INEOS join industrial decarbonisation hub | BusinessGreen News](#)
 - [Japan traders Mitsubishi, Mitsui mull carbon storage project off Australia \(kyodonews.net\)](#)
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New podcasts, reports, statements & blogs

[Carbon pipeline proposal in Illinois](#)

[Carbon Valley: Carbon Innovation, R&D in Wyoming | Blog | CarbonSAFE \(cvalleywy.com\)](#)

[Net-Zero Without Carbon Sequestration Is 'Virtually Impossible,' Yet Site Acquisition and Permitting Hurdles Hinder Implementation](#)

[Going Green: Can a Hydrogen Economy and Offshore CCS Present New Opportunities for the Gulf of Mexico? | Baker Donelson - JDSupra](#)

[Five states updated or adopted new clean energy standards in 2021 - Today in Energy - U.S. Energy Information Administration \(EIA\)](#)

[The coming carbon capture and storage boom – we have lift off | Wood Mackenzie](#)

News in the States

California

- [Calif. weighs help for oil workers in green future - E&E News \(eenews.net\)](#)
- ['The Jury's Out': Is California's Landmark Environmental Justice Law Helping Communities With the Dirtiest Air? | KQED](#)

Colorado

- [Colorado Inno - These 8 Colorado startups raised over \\$160M in January \(bizjournals.com\)](#)

Delaware

- [Game-Changing Technology to Remove Carbon Dioxide From Air \(newswise.com\)](#)

Illinois

- [Carbon May Soon Be Stored In Illinois' Underground Rock | RiverBender.com](#)
- [Artificial Leaf Created That Captures 100 Times More Carbon Than Other Systems | Technology Networks](#)
- [Air Liquide to Build in the USA its Largest Biomethane Production Unit in the World \(streetinsider.com\)](#)

Indiana

- [House Bill 1224 says companies that boycott fossil fuels not welcome \(indystar.com\)](#)

- [POET completes renewable CO2 addition | News | gasworld](#)

Iowa

- [Pipeline plans raise fears, but blasts and leaks rare in E. Iowa | The Gazette](#)
- [Opinion: MidAmerican should retire coal, save customers \\$1 billion \(desmoinesregister.com\)](#)
- [Carbon capture pipeline permit filing shows detailed route in Iowa \(desmoinesregister.com\)](#)
- [Summit Carbon Solutions wants to use eminent domain to build CO2 pipeline through Iowa | The Gazette](#)
- [Sierra Club decries Summit pipeline petition filing without list of properties | News | globegazette.com](#)
- [Opinion: Carbon pipelines threaten heritage, water quality efforts \(desmoinesregister.com\)](#)

Kentucky

- [How Kentucky's utilities are empowering a sustainable energy future - Louisville Business First \(bizjournals.com\)](#)

Louisiana

- [Gov. Edwards' climate task force unanimously approves state greenhouse gas reduction plan | Environment | nola.com](#)

Massachusetts

- [Students dive into research with the MIT Climate and Sustainability Consortium | MIT News | Massachusetts Institute of Technology](#)

Michigan

- [DTE Energy exploring local sequestration sites | Tri City Times \(tricitytimes-online.com\)](#)
- [Michigan Climate Plan Delayed | RTO Insider](#)

Minnesota

- [Statewide View: Carbon capture may help unlock an economic boom in Minnesota - Duluth News Tribune | News, weather, and sports from Duluth, Minnesota](#)
- [How important is a Twin Metals mine to supply critical minerals? | MPR News](#)

Nebraska

- [OPPD's electric power plan is open for public comment | Omaha State and Regional News | omaha.com](#)
- [Bold Nebraska to hold meetings for landowners, communities in areas of proposed carbon pipeline | Latest News | yorknewstimes.com](#)
- [Bold Nebraska questions carbon capture pipelines | KHGI](#)

New Mexico

- [One State's Passionate Debate About Developing A Hydrogen Fuel Industry. \(forbes.com\)](#)
- [New Mexico has the ingredients to be hydrogen superpower \(lcsun-news.com\)](#)
- [NEW MEXICO: Bets Big With National Labs on Hydrogen Economy \(ens-newswire.com\)](#)

New York

- [Bill Gates invests in carbon capture start-up after tech breakthrough | The Straits Times](#)
- [Commentary: There's a big supply problem in New York's energy plan \(timesunion.com\)](#)

North Carolina

- [Cormetech Selected to Optimize Point Source Capture to Decarbonize the Natural Gas Power and Industrial Sectors Using Carbon Capture | Business Wire](#)

North Dakota

- [Expansion project looks to boost Bakken production, squeeze out Canadian exports | S&P Global Platts \(spglobal.com\)](#)
- [Summit Carbon Solutions files for pipeline permit in Iowa - Agweek | #1 source for agriculture news, farming, markets](#)

Ohio

- [Equinor, Battelle to Explore Appalachian Basin Carbon Capture, Storage Potential | News | bakersfield.com](#)
- [Hyperion to add 700 jobs in Far West Side hydrogen fuel-cell facility \(dispatch.com\)](#)

Pennsylvania

- [Leading Companies Launch Initiative to Support Low-Carbon and Hydrogen Industrial Hub in Ohio, Pennsylvania and West Virginia | Business Wire](#)
- [Power players announce alliance for hydrogen and carbon storage hub | Pittsburgh Post-Gazette](#)
- [Incentivizing an underused, more environmentally friendly method for carbon capture | Penn Today \(upenn.edu\)](#)
- [Here's what we know about the big carbon capture/storage hub initiative - Pittsburgh Business Times \(bizjournals.com\)](#)

South Dakota

- [McPherson County says temporary no to CO2 pipelines | KELOLAND.com](#)

Texas

- [Exxon locked workers out of their jobs. Can workers lock Exxon out of a carbon capture deal? | Grist](#)

Utah

- [John Kerry wants to get rid of coal. There is a better way to save the planet/Opinion - Deseret News](#)

West Virginia

- [Equinor explores carbon capture opportunities further in US Appalachia | Upstream Online](#)
- [Sen. Shelley Moore Capito is a key Republican to watch on environmental issues - The Washington Post](#)

Wyoming

- [Energy Authority recommends awarding \\$8.3 million to two carbon capture and storage proposals | Energy Journal | trib.com](#)
 - [A White House push to help Wyoming town go nuclear is cautiously embraced : NPR](#)
 - [Feds: We'll find 'right fit' for Wyoming coal community grant proposals | Economy & Labor | wyomingnews.com](#)
 - [Exxon gives low-carbon solutions segment a promotion, more money | S&P Global Market Intelligence \(spglobal.com\)](#)
 - [State looks to spend up to \\$534 million in American Rescue Plan Act funds | Current Edition | wyomingnews.com](#)
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Upcoming events

February 7

- [Webinar on Office of Clean Energy Demonstrations | Carbon Capture Coalition, Regional Carbon Capture Deployment Initiative, Industrial Innovation Initiative](#)

February 8

- [Exploring the Economic Potential of Hydrogen Energy | ICF](#)

February 9

- [Webinar: Investment vs Divestment: The Role of the Oil & Gas Industry in a Net-Zero Future | Bipartisan Policy Center \(bpcevents.cloudapp.net\)](#)
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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 Want to read more carbon management updates, studies, and fact sheets? Visit us at [Carbon Capture Ready](#).

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