



REGIONAL CARBON CAPTURE DEPLOYMENT INITIATIVE

UPDATE

July 22, 2022

Great Plains Institute Webinar Recap: The Supreme Court's Decision on West Virginia v. EPA

Great Plains Institute's Stakeholder Webinar: The Supreme Court's Decision on West Virginia v. EPA

On July 13, the Great Plains Institute's Carbon Management team held a stakeholder webinar regarding the Supreme Court's decision on [West Virginia v. EPA](#) that featured a presentation by Franz Litz, a consultant with Great Plains Institute, of an overview of the decision, its context, and relevant implications for states and the Environmental Protection Agency. This was followed by a moderated discussion led by Doug Scott, GPI Vice President of Energy Systems, including reflections from GPI Carbon Management stakeholders and attorneys Jay Duffy of Clean Air Task Force and Kevin Poloncarz of Covington & Burling LLP on what the decision may mean for carbon capture and industry.

A recording of the presentation is available for viewing at the following [link](#).

If you would like to receive a copy of the presentation slides, please reach out to Grace Olson (GOlson@gpisd.net).

North Dakota's Red Trail Energy Captures 12,000 Metric Tons of Carbon in First Month

On October 19, 2021, the North Dakota Industrial Commission approved Red Trail Energy's application to store carbon captured from their ethanol plant following a [hearing](#) to confirm that the company followed adequate safety precautions. RTE's ethanol plant is the first carbon capture storage project in North Dakota, following the EPA's [approval](#) of the state's Class VI application in 2018.

The company began capturing and storing carbon from an ethanol facility near Richardton North Dakota on June 16, 2022. RTE has now completed its first full month of capturing and storing carbon dioxide and has stored nearly 12,000 metric tons a little over a mile underground.

The plant is the first carbon capture and storage project allowed under state primacy in the United States.

Associated News Coverage:

- [North Dakota ethanol plant becomes nation's first to capture, store carbon emissions underground - InForum | Fargo, Moorhead and West Fargo news, weather and sports](#)
- [Red Trail Energy's CCUS project has already captured 12,000 metric tons of carbon dioxide | Oil And Energy | willistonherald.com](#)
- [Red Trail Energy now capturing and storing CO2 | Prairie Public Broadcasting](#)
- [Sen. Cramer Statement on Operation of Red Trail Energy Carbon Capture Sequestration Project in Richardton \(senate.gov\)](#)

Conoco Phillips Acquires Stake in Sempra Energy's LNG & Carbon Management Project

Oil and gas exploration company ConocoPhillips signed an agreement with Sempra Energy this week to acquire a 30 percent stake in Sempra's liquefied natural gas facility in Port Arthur, TX.

ConocoPhillips and Sempra Energy will assess the development of low-carbon projects, which include a carbon capture and storage project for the Port Arthur LNG facility. Sempra would be able to participate in carbon capture and sequestration projects developed by ConocoPhillips in Texas or Louisiana associated with the Port Arthur LNG project.

Associated News Coverage:

- [ConocoPhillips and Sempra Infrastructure Sign Heads of Agreement for Large-Scale LNG Projects and Carbon Capture Activities | ConocoPhillips](#)
 - [Sempra partners with ConocoPhillips on LNG project on Texas Gulf Coast - The San Diego Union-Tribune \(sandiegouniontribune.com\)](#)
 - [Sempra Announces Partnership Framework with ConocoPhillips | Sempra](#)
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News Roundup

- [FERC Authority Could Speed Hydrogen Build-Out, Manchin Says \(1\) \(bloomberglaw.com\)](#)
 - [Manchin Floats Giving FERC Authority Over Hydrogen Pipelines \(fuelcellworks.com\)](#)
 - [Carbon Business Council Launches to Create a Seat at the Policy Table for More Than 40 Leading Carbon Management Startups \(yahoo.com\)](#)
 - [Airbus, airlines to explore carbon capture technology | Reuters](#)
 - [Carbon dioxide removal trade group to lobby DC - Protocol](#)
 - [Barrasso: Hydrogen Offers Great Promise as an Energy Source - YouTube](#)
 - [Carbon removal trade group launches with 'Hippocratic oath' for the industry | Grist](#)
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Global News

- [PGS offered shares in Australian offshore carbon storage developer | Offshore \(offshore-mag.com\)](#)
 - [Govt to dish out millions to kickstart 11 carbon capture projects with potential to generate \\$20 bln - Offshore Energy \(offshore-energy.biz\)](#)
 - [Seismic shift: Norwegian player expands into Asia-Pacific CCS | Upstream Online](#)
 - [LAFARGEHOLCIM LTD \(EPA:LHN\) Holcim selected for 2 EU Innovation Fund grants for Clean Tech projects decarbonizing Europe \(webdisclosure.com\)](#)
 - [Holcim selected for 2 EU Innovation Fund grants for Clean Tech projects decarbonizing Europe | World Cement](#)
 - [Mark Carney says Canada should make a 'big bet' on carbon capture | Financial Post \(amproject.org\)](#)
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New Podcasts, Reports, Statements & Blogs

- [Oil and gas reservoirs are cheapest options for underground hydrogen storage – pv magazine International \(pv-magazine.com\)](#)
 - [Chevron CEO Mike Wirth On Energy Transition - ValueWalk](#)
 - [Carbon Capture, Utilisation and Storage in the Energy Transition: Vital but Limited \(energy-transitions.org\)](#)
 - [Direct air carbon capture and storage for aviation, explained | Airbus](#)
 - [Hydrogen: A Climate Solution | Carbon Solutions LLC](#)
 - [Boilermakers, CCUS, Hydrogen and the Future on Vimeo](#)
 - [Rail-based direct air carbon capture: Joule \(cell.com\)](#)
 - [Power plants are going green — despite the Supreme Court's ruling | Fix \(grist.org\)](#)
 - [The Northeast is poised to become a 'hydrogen hub' | Grist](#)
 - [Carbon Border Adjustment Fireside Chat with Senator Whitehouse | Center for Strategic and International Studies \(csis.org\)](#)
 - [Clean, versatile hydrogen emerges as key decarbonization vector | Bloomberg Professional Services](#)
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News in the States

California

- [Capturing Carbon In California: Opportunities And Challenges - Law360](#)
- [Mote developing biomass-to-hydrogen facility \(pemedianetwork.com\)](#)
- [Capturing Carbon In California: Opportunities And Challenges - Oil, Gas & Electricity - United States \(mondaq.com\)](#)

Colorado

- [Meet a startup that plans to use mining waste to... | Canary Media](#)

Georgia

- [Switching to Woody Biomass in Power Plants to Reduce Carbon \(azocleantech.com\)](#)
- [State regulators approve Georgia Power's plans to retire all coal plants by 2028 except for Plant Bowen | Utility Dive](#)

Illinois

- [ADM Carbon Capture and Storage Project Earns Top Honors from Environment + Energy Leader | ADM](#)
- [Deep wells under Stanislaus could store climate-harming gas | Modesto Bee \(modbee.com\)](#)

Iowa

- [Summit says 600+ Iowa landowners have agreed to let carbon pipeline through their property - KGLO News](#)
- [Goldfield's Corn, LP partners with Summit Carbon Solutions | Mason City & North Iowa | globegazette.com](#)
- [Revised public meetings approved for Wolf Carbon Solutions pipeline proposal | The Gazette](#)
- [Utilities Board sets public meetings for Wolf Carbon CO2 pipeline proposal \(corridorbusiness.com\)](#)
- [brown county passes moratorium transmission pipelines \(aberdeennews.com\)](#)
- [Dorr: Why I signed easement allowing carbon-capture pipeline | Opinion | nwestiowa.com](#)
- [Lee Blank officially new CEO of Summit Carbon Solutions \(argusleader.com\)](#)

Louisiana

- [Cassidy Leads Bipartisan Group Urging Biden to Implement Grant Program in Bipartisan Infrastructure Law as Congress Intended](#)
- [Louisiana climate task force eyes hydrogen energy for federal dollars | Energy Central](#)

Nebraska

- [Summer interns helping Nebraska communities save energy, money | Nebraska Today | University of Nebraska–Lincoln \(unl.edu\)](#)
- [Local View: CO2 pipeline safety proven | Columnists | journalstar.com](#)

New Mexico

- [PNM plans SJGS shutdown as Enchant Energy continues negotiations](#)
- [Can green hydrogen save a coal town and slow climate change? - Albuquerque Journal \(abqjournal.com\)](#)

North Dakota

- [See above story on Red Trail Energy](#)

Texas

- [See above story on Conoco Phillips and Sempra Energy](#)
- [Key Takeaways from Future of Global Energy Virtual Sessions \(houston.org\)](#)
- [ExxonMobil Baytown leaders reinforce plans for first blue hydrogen plant - BIC Magazine](#)
- [Clean energy plans fall into uncertainty, as Democrat budget talks break down \(houstonchronicle.com\)](#)

Utah

- [Can green hydrogen save a Utah coal town? | The Seattle Times](#)

Wyoming

- [Worth noting | Business | wyomingnews.com](#)
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Upcoming events

July 21 – 23

- [68th Annual Natural Resources and Energy Law Institute](#)
The Institute will feature 34 talks with 57 speakers from private practice, academia, government, industry, associations, and other organizations. There are sessions focusing on oil and gas and landman's issues, including carbon capture, mining law, public lands and Indian law, water law, environmental law, corporate counsel legal issues, international resources issues, and a session on renewable energy and electricity.

July 25-27

- [CCS / Decarbonization Project Development, Finance & Investment - Presented by Infocast \(infocastinc.com\)](#)
Infocast's CCS/Decarbonization Project Development, Finance & Investment Summit will bring together project developers, emitters, providers of tax equity, development capital and cash equity to explain the latest developments, showcase critical market information, provide an "inside view" from the perspectives of all the players in these deals, to let you know how to take maximum advantage of available federal and state programs and incentives and other potential revenue streams and to get what you need to make actual projects in the exciting new CCS/CCUS space actually happen.

July 26

- [Carbon Business Council, What's Ahead for Carbon Management](#)
Hear from leading carbon management startups about what is ahead for the industry and upcoming initiatives of the Carbon Business Council. Speakers will be announced prior to the webinar.

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 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.

July 26

- [WV Hydrogen Hub Coalition \(constantcontact.com\)](https://constantcontact.com)

The West Virginia Hydrogen Hub Coalition invites you to engage in creating a network of hydrogen producers, consumers and local connective infrastructure to accelerate the use of hydrogen as a clean energy carrier

July 27

- [How to Build a Hydrogen Hub: Houston | Center for Strategic and International Studies \(csis.org\)](https://csis.org)

In this conversation, Brett Perlman, CEO of the Center for Houston's Future (CHF), will be interviewed by Joseph Majkut (CSIS). CHF has been leading an initiative to establish a hub for clean hydrogen in the Houston area

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](https://CarbonCaptureReady.com).

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