

Blount, Mark

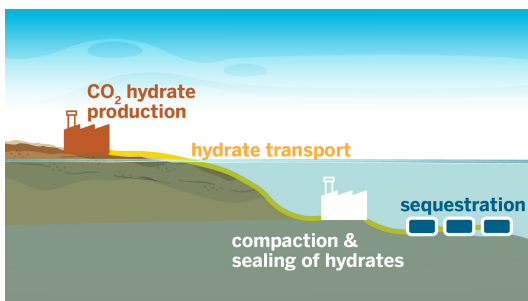
From: UT Energy Institute <info@energy.utexas.edu>
Sent: Tuesday, July 30, 2024 11:40 AM
To: Blount, Mark
Subject: UT Energy Bulletin | July 2024

Categories: Green Category



UT Energy Bulletin | July 2024

Energy@UT News

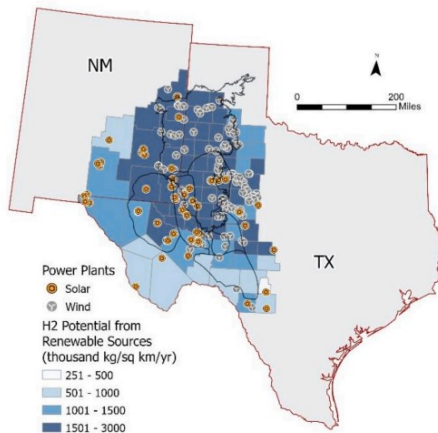


New Carbon Storage Technology is Fastest of Its Kind

Researchers at The University of Texas at Austin have developed a new carbon storage technology that forms carbon dioxide hydrates six times faster than current methods without harmful chemicals, potentially revolutionizing carbon sequestration. This breakthrough could make large-scale carbon storage

more feasible globally and has additional applications in desalination, gas separation, and storage.

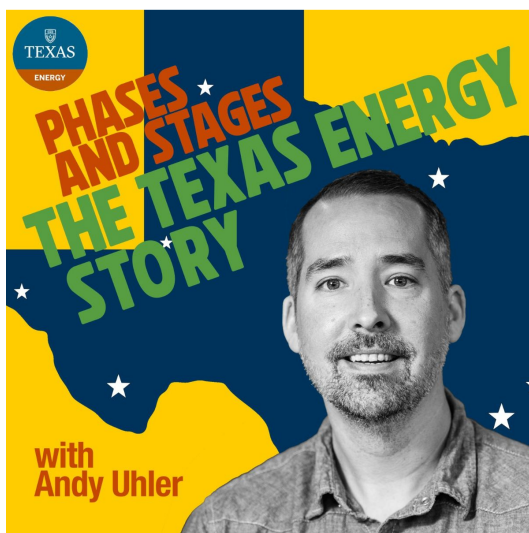
[Learn more](#)



The Dual Role of Low-carbon Ammonia in Climate-smart Farming and Energy Transition

[Ning Lin](#), Chief Economist at UT's Bureau of Economic Geology, recently published new research that highlights the potential of using existing infrastructure and established market routes to deploy low-carbon intensity ammonia in agriculture sectors. Stay tuned for findings from her [2023 Strategic Energy Seed Grant](#) project with co-investigators Michael Lewis and Vaibhav Bahadur, "Analysis of Permian Basin Clean Ammonia Production, Distribution, and Market Demand," expected to be published in fall 2024.

[Read it here](#)



Podcast Preview, Phases and Stages: A Texas Energy Story

"Phases and Stages: The Texas Energy Story" is an upcoming monthly, hour-long podcast airing on KUT, starting Wednesday, September 25. In Season 1, host Andy Uhler visits different Texas locations each month to explore the state's evolving energy landscape.

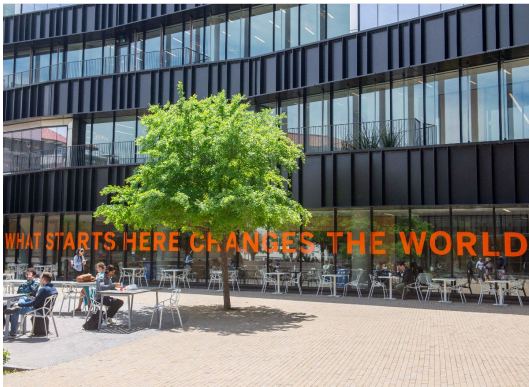
[Learn more](#)



Cockrell School Ranked Among Top U.S. Engineering Graduate Programs

The Cockrell School of Engineering at UT Austin is ranked No. 8 in the nation in *U.S. News & World Report's* 2024-2025 graduate engineering program rankings. UT departments comprise seven of the top ten graduate engineering programs on the list.

[Find out more](#)



EI Welcomes New Team Members

The Energy Institute is growing! Lisa Hernandez, Kohl Lasell, and Laura Black have joined the [team](#) to help take our student engagement, energy literacy programs, and annual events to the next level. Expect to see them at EnergizeUT and Hydrogen Day this fall and UT Energy Week 2025 in spring!

News From Around Campus

Bureau of Economic Geology

[Ken Wisian](#)'s recent study finding that Presidio, TX, and the surrounding area is highly suitable for geothermal energy development was featured in [Popular Mechanics](#).

[Susan Hovorka](#) was quoted in [Inside Climate News](#) about the need to plug abandoned offshore oil wells in formations that will be used for carbon capture and storage in order to mitigate potential leaks.

Cockrell School of Engineering | Hildebrand Department of Petroleum and Geosystems Engineering

[Arvind Ravikumar](#) was quoted in a [Fast Company](#) article stressing the need for trust in methane emissions monitoring systems as well as the technical issues that make certifying the systems difficult. He also discussed the reasons new tech will be key for EPA methane rule compliance on a podcast with the [Kleinman Center for Energy Policy](#).

Cockrell School of Engineering | Walker Department for Mechanical Engineering

[Vaibhav Bahadur](#)'s research that promises to extend the lifespan of electrical grid transformers was featured in [HPC Wire](#).

[Michael Webber](#) was featured in a [CNN.com](#) article, discussing how severe weather, including not just storms but also heat waves, can result in hazardous grid outages.

School of Law

[David B. Spence](#) joined the [Academic Minute of Inside Higher Ed](#) to discuss how the structure of the U.S. electoral system results in climate policy decisions favored by vocal partisans rather than the preferences of the average voter.

Upcoming Events



Energizing Tomorrow: Tackling Today's Energy Challenges While Preparing for the Future

September 13, 2024

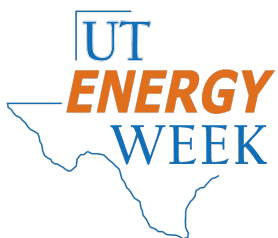
[More Information](#)



Education Summit

October 3, 2024

[More Information](#)



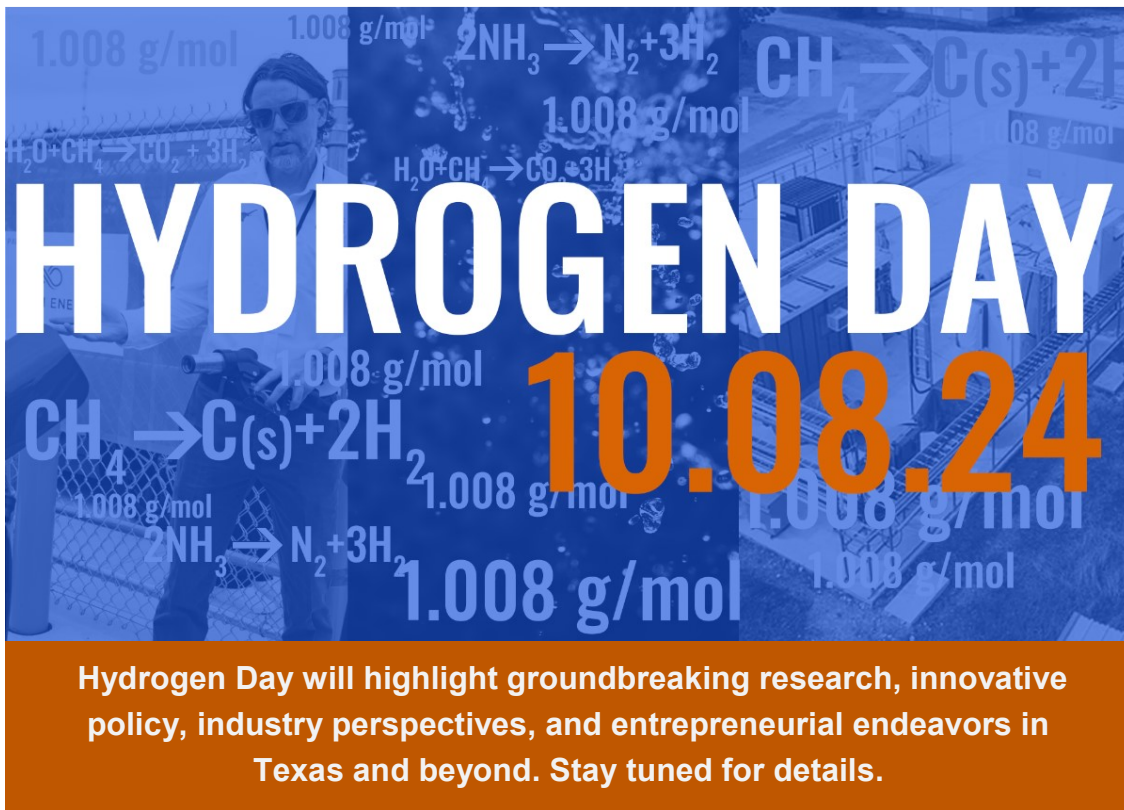
UT Energy Week 2025

March 31 – April 4, 2025

[More Information](#)



A half-day convening for students interested in energy, sustainability, and innovation, hosted by the Energy Institute, Texas Venture Labs, TEX-E, and Longhorn Energy Club. Details to come.

A blue-tinted banner featuring a background image of a person in a lab coat and safety glasses. Overlaid on the image are various chemical equations and the molar mass '1.008 g/mol'. The equations include $2\text{NH}_3 \rightarrow \text{N}_2 + 3\text{H}_2$, $\text{CH}_4 \rightarrow \text{C(s)} + 2\text{H}_2$, and $\text{H}_2\text{O} + \text{CH}_4 \rightarrow \text{CO}_2 + 3\text{H}_2$. The text 'HYDROGEN DAY' is in large white letters, and '10.08.24' is in large orange letters.

HYDROGEN DAY

10.08.24

Hydrogen Day will highlight groundbreaking research, innovative policy, industry perspectives, and entrepreneurial endeavors in Texas and beyond. Stay tuned for details.

Thanks to our corporate partners and annual event sponsors for their generous support of UT's Energy Institute.



[Become a Sponsor](#)



Copyright © 2024 Energy Institute, The University of Texas at Austin, All rights reserved.
You are receiving this email because you opted in via our website.

Our mailing address is:

Energy Institute, The University of Texas at Austin
2304 Whitis Ave
Flawn Academic Center 344
Austin, TX 78712-1718

[Add us to your address book](#)

Want to change how you receive these emails?
You can [update your preferences](#) or [unsubscribe from this list](#).