

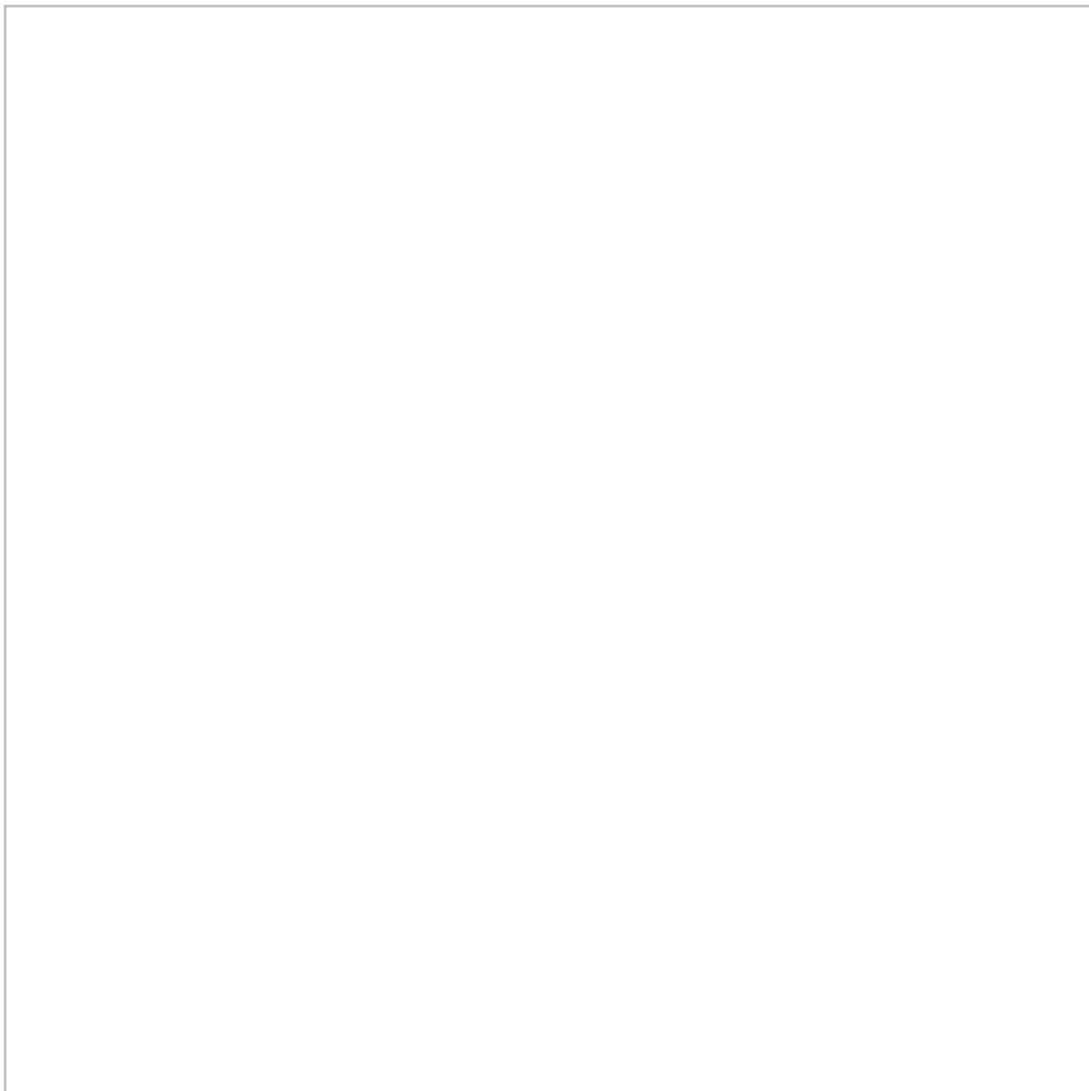
From: [Tinker, Scott W](#)
To: [Blount, Mark](#)
Subject: Fwd: UT Energy Bulletin | November 2021
Date: Monday, November 8, 2021 10:17:17 AM

Scott

Scott W. Tinker
Director

Begin forwarded message:

From: UT Energy Institute <info@energy.utexas.edu>
Date: November 8, 2021 at 10:00:35 AM CST
To: "Tinker, Scott W" <scott.tinker@beg.utexas.edu>
Subject: UT Energy Bulletin | November 2021
Reply-To: UT Energy Institute <info@energy.utexas.edu>

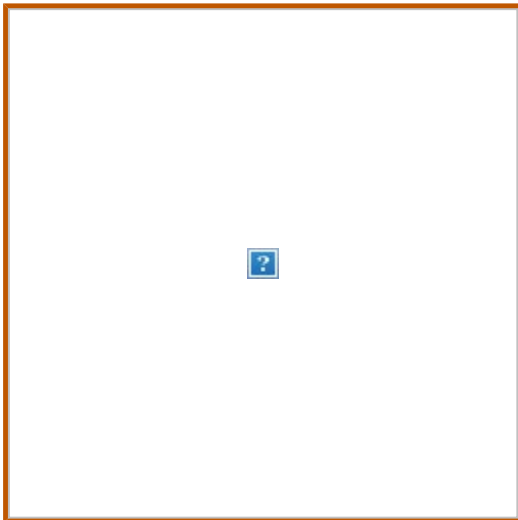
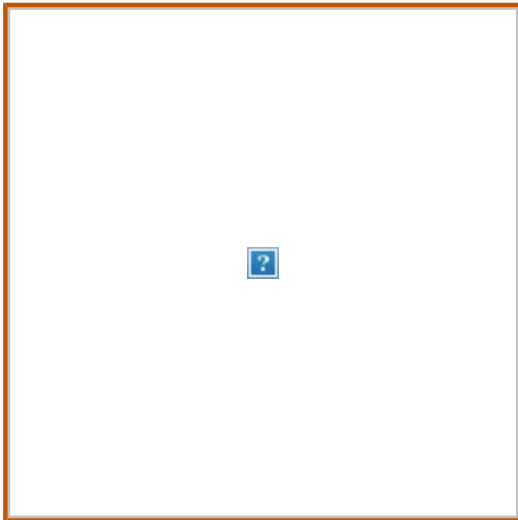


UT Energy Bulletin | November 2021

Energy@UT News

Pin2Flood app could transform flood emergency response

Paola Passalacqua, associate professor, explains the [Pin2Flood app](#). The app technology, developed by Harry Evans & Christine Theis, enables emergency responders to create real-time flood maps, better identify impacted areas, and quantify flood severity to deploy resources quickly. Read more about the app's potential [here](#).



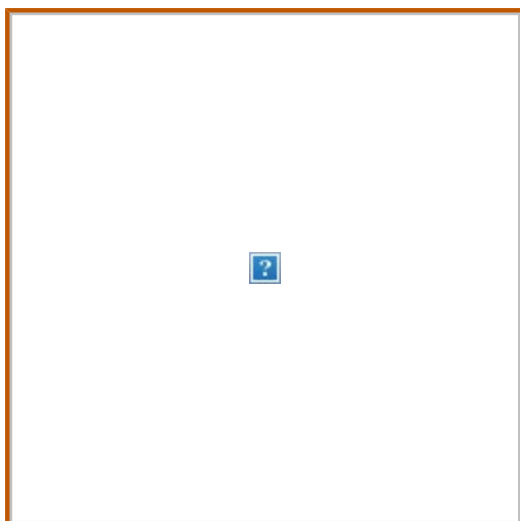
New methods of analyzing past droughts could inform future policymaking decisions for Texas water resources

Weijing Chen & Zong-Liang Yang, geoscientists at the Jackson School, applied new methodology to discover the 2011 Texas drought was worse than previously thought. Their research was published in the Journal of Hydrology. Read more about their work [here](#).

New resource recovery projects launched by the Cockrell School's Battery Research Group

Benny Freeman & Wen Song, UT faculty, are developing new technologies for extraction of critical elements such as lithium and cobalt from waste streams with low energy input. Explore their latest research [here](#).

Regulating Competition, Both the Forest and the Trees

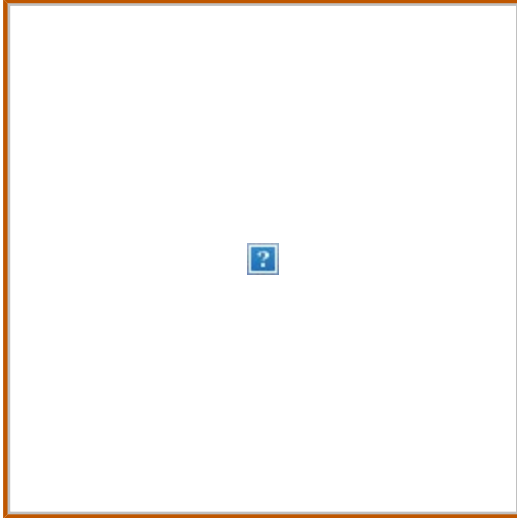


UT Law Professor [David Spence](#)'s new essay in the Emory Law Journal Online argues that the public interest requires that the Federal Energy Regulatory Commission (FERC) and other agencies be able to enforce both broad statutory mandates and specific market rules simultaneously. Read more [here](#).

News from Around Campus

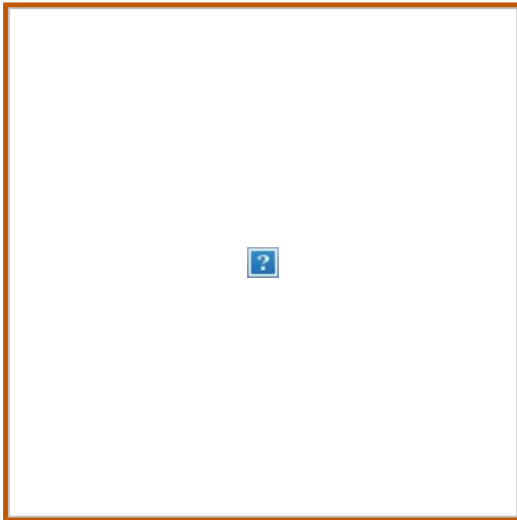
- **Energy Institute:** Carey King, assistant director and research scientist, expresses doubt about how Bitcoin mining could help already-stressed grid. Read about Ted Cruz's proposed solution [here](#).
- **LaunchPad:** Bart Bohn, executive in residence at the Austin Technology Incubator, applauds resourcefulness of Bitcoin mining startups taking advantage of fossil fuel byproducts. "This is going to be a problem regardless, whether we wish it existed or not, so we might as well try to do something productive with it." Read about the arguments [here](#).
- **Cockrell School | Department of Mechanical Engineering:** Joshua Rhodes, research associate, said if cryptocurrency mines are willing to reduce their energy demand during times of great stress on the grid, then they could have a beneficial impact on the grid's reliability. Read about the Texas Bitcoin mining controversy [here](#).
- **LBJ School:** JR DeShazo, new dean of the LBJ School and former founding director of the UCLA Luskin Center for Innovation, published a comprehensive assessment of the [policy gaps and funding opportunities to protect Californians from extreme heat](#).
- **College of Liberal Arts:** Elizabeth Bechard, author, credits UT Professor James Pennebaker and the [Pennebaker Paradigm](#) as a method to help people cope with climate change anxiety. Read about the technique [here](#).
- **Jackson School:** Scott Tinker, director of the Bureau of Economic Geology, calls into question the assumptions within the IEA's [Net Zero by 2050](#) roadmap. "As global leaders at COP26 prepare to commit trillions of dollars, guided by this roadmap, [it is important to understand how confusing, and even implausible, are some of the roadmap's key 2050 assumptions](#)."
- **Energy Institute:** Carey King, assistant director and research scientist, joined Andy Bowman at the Texas Book Festival. The two authors discussed their new books that examine the past, present, and future of alternative energy and its potential to avert disaster. Watch the replay of the live event [here](#).
- **Cockrell School | Department of Mechanical Engineering:** Professor Michael Webber does not think Texas is prepared for more severe winter weather. Read more [here](#).

Upcoming Events



November 8: Connecting Dots Virtual Lecture

Teresa Gali-Izard, experienced landscape architect, presents new methodology in working with the limiting factors of climate and geology, transforming constraints into opportunities. [Event Details](#)

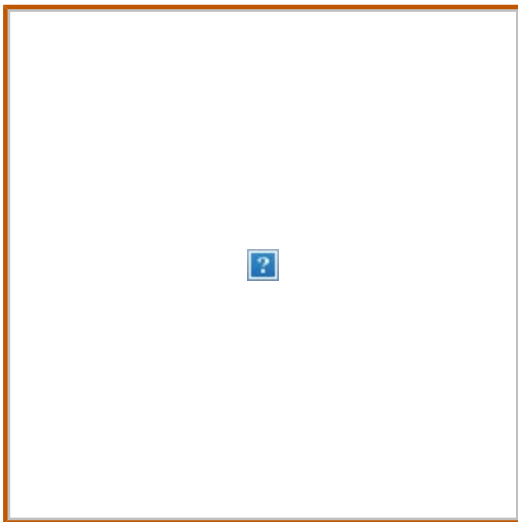
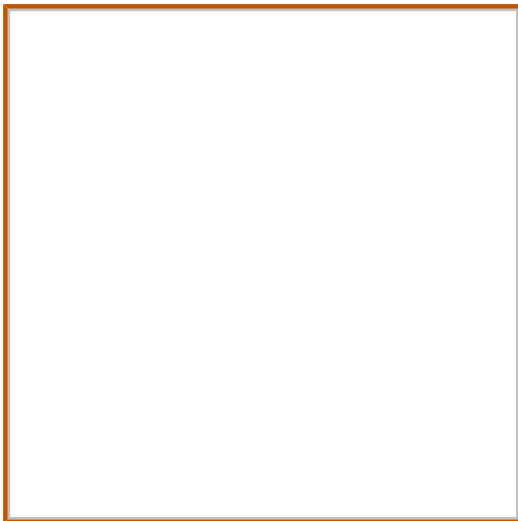


November 9: Survey of California Strategies to Meet Renewable Energy and GHG Goals

Join virtually for a discussion with Jared Babula, Senior Attorney, California Energy Commission; Faculty member, Empire School of Law. [Event Details](#)

November 12: Rice Energy Finance Summit

The Rice Energy Finance Summit (REFS) is an annual student-led conference promoting forward-looking discussions on the most relevant energy finance, investment and strategy topics affecting the global energy industry. [Event Details](#)



November 16: LIFT Information Session

The Longhorn Impact Fellowship (LIFT) pairs student consultants (fellows) with sustainable corporations, social enterprises, and nonprofits to solve an impact-focused problem. Join the information session to learn more.

[Event Details](#)

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