

THE CoreSAMPLE

Internal Newsletter of the School of Energy Resources

November | 2024

UW SCHOOL OF ENERGY RESOURCES RELEASES 'CONSOLIDATED REVIEW OF ENERGY IN WYOMING' REPORT

The first "Consolidated Review of Energy in Wyoming" (CREW) report from the University of Wyoming School of Energy Resources' (SER) Center for Energy Regulation and Policy Analysis (CERPA) is now available. The CREW report will be updated each month to provide data and information about Wyoming's energy sector.

The CREW report summarizes key takeaways from current economic indicators; provides an overview of Wyoming's energy sectors, including crude oil, natural gas, coal, uranium, wind energy, soda ash and electricity generation; details employment trends; and provides updates on state tax collections.

The report was created and will be maintained by **Dawson Kluesner**, an assistant research professional specializing in energy economics in CERPA.

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NAVAJO ENERGY COMPANY PARTNERS WITH UW SCHOOL OF ENERGY RESOURCES TO POWER WYOMING'S ENERGY FUTURE

The University of Wyoming has received a key gift from Navajo Transitional Energy Company (NTEC) to support research in UW's School of Energy Resources (SER).

The gift will establish the Navajo Transitional Energy Company School of Energy Resources Excellence Fund, which will facilitate SER's efforts to bolster Wyoming's energy industry. The gift was doubled by the state's matching program.

NTEC is committed to achieving multigenerational, clean energy solutions that ensure the continued prosperity of the Navajo Nation while providing essential power to the Southwest and beyond.

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HIGHLIGHTS

Research Centers of Excellence

- Led by Assistant Research Professional **Sarah Buckhold**, the *Hydrogen Energy Research Center (H₂ERC)* hosted two workshops at community colleges on workforce training opportunities in the hydrogen industry, in partnership with the Department of Workforce Services.



- Members of *H₂ERC* visited the Powerhouse in Fort Collins, run by Colorado State University, to discuss areas of collaboration between Wyoming and Colorado.



- PureWave Hydrogen Corp. signed a letter of commitment with *H₂ERC* to advance geologic hydrogen containment technology. The agreement will utilize cutting-edge technology developed by Occidental Chair in Energy and Environmental Technologies **Saman Aryana**. [READ MORE >](#)



- **Matt Fry** joined the *Center for Energy Regulation and Policy Analysis (CERPA)* as the new director. *Full profile coming soon!*



To submit news and updates
email: Christine.reed@uwyo.edu



UNIVERSITY
OF WYOMING

School of
Energy Resources

BRYAN LEONARD AND JENNIFER BELL JOIN SCHOOL OF ENERGY RESOURCES FACULTY

The School of Energy Resources (SER) welcomed two new faculty members in the fall of 2024.

Under SER's unique structure, faculty have a primary appointment in a home department with an affiliation to SER. This structure allows SER to work across the university to recruit and retain faculty with instruction, research and service interests relevant to Wyoming and its energy sector.

Housed in the Haub School of Environment and Natural Resources (Haub School), **Bryan Leonard** joined the faculty as an SER Associate Professor of Environment and Natural Resources. Filling a new position in the Haub School, Leonard is tasked with engaging in impactful and applied research and scholarship that advances the field of energy and environmental policy.

A native of Laramie, Wyo., **Jennifer Bell** is pleased to return to her hometown as an SER Assistant Professor of Soil Science and Reclamation in the College of Agriculture, Life Sciences and Natural Resources (CALSNR) where her efforts focus on the soil aspects of land reclamation.

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RUCKELSHAUS INSTITUTE TO HOST WYOMING CARBON ECONOMY SYMPOSIUM NOV. 14

Wyoming's carbon economy was the topic of a University of Wyoming Ruckelshaus Institute symposium Thursday, Nov. 14, at the UW Conference Center.

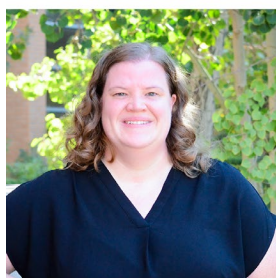
The Ruckelshaus Institute, a division of UW's Haub School of Environment and Natural Resources, hosted the free two-day "Roads to Removal" symposium beginning with a free lunch on the first day, followed by the event's schedule immediately at the conclusion of the Wyoming Governor's Business Forum. The "Roads to Removal" symposium was open to community and industry leaders, ranchers, government and tribal stakeholders, and the public.

The event was co-sponsored by the UW School of Energy Resources.

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BRYAN LEONARD



JENNIFER BELL



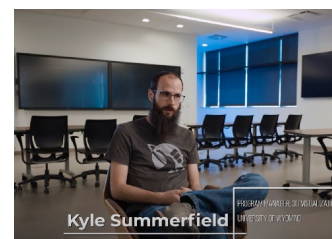
HIGHLIGHTS

Research Cont.

- Assistant Research Professional **Resham Thapa** in the *Center for Carbon Capture and Conversion (CCCC)* presented his work on the coal char soil amendment at the 2024 ASA, CSSA, SSSA International Annual Meeting.



- Program Manager **Kyle Summerfield** in the *3D Visualization Center (Viz Center)* was featured in a video for the Wyoming Innovation Partnership (WIP) discussing his VR efforts in the State. [WATCH HERE >](#)



- Program Manager **Kyle Summerfield** in the *Viz Center* attended the 36th International Conference on Computer Aided Verification (CAV Conference).

- **Jonathan Brant**, director of the *Center for Produced Water Management* hosted representatives from the Environmental Protection Agency along with a cohort of SER leaders.

- **Haibo Zhai**, a UW professor of civil and architectural engineering and construction management and SER adjunct professor, released an updated version of his software tool for calculating the performance, emissions and cost of fossil fuel-fired power plants. The Integrated Environmental Control Model (IECM) is publicly available. The associated 2022 article was published in *Environmental Science & Technology* in collaboration with the School of Energy Resources.

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SCHOOL OF ENERGY RESOURCES EXPANDS RESEARCH TEAM WITH FOUR NEW HIRES

In order to keep up with the growing research portfolio at the School of Energy Resources (SER), four new professionals were added to the team during the fall semester across different areas of expertise and research areas.

Cole Messa was hired as an Assistant Research Professional in the Center for Economic Geology Research (CEGR).

Scarlett Forrest joined SER as a Research Scientist in the recently launched Jurisprudence of Underground Law and Energy (Joule), a faculty-led research group under the direction of SER Professor of Law and Occidental Chair in Energy and Environmental Policies **Tara Righetti**.

Rachel Toner joined the 3D Visualization Center (Viz Center) as an Assistant Research Professional to help meet the needs of the growing technological and visualization demands accompanying energy research.

Kaleb Peterson joined the administrative research team as the newest Project Specialist.

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COLE MESSA



SCARLETT FORREST



RACHEL TONER



KALEB PETERSON

UW SER'S FINAL ENERGY ROADSHOW PRESENTATIONS IN ROCK SPRINGS NOV. 13

The University of Wyoming School of Energy Resources (SER) hosted the final Energy Roadshow presentations of the fall semester in Rock Springs Wednesday, Nov. 13.



Interested members of the public had two opportunities to learn about the Sweetwater Carbon Storage Hub Project and Class VI Database project from UW SER and Frontier Carbon Solutions representatives.

A lunchtime meeting was held at the Rock Springs Public Library. The same program was presented in the evening at Western Wyoming Community College.

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HIGHLIGHTS

Academics

- Professional Land Management (PLM) co-director **Kristen Pritchett** was named part of the 2025 EnGen leadership cohort for the Energy Leadership Institute.



- Led by Senior Program Coordinator **Tanner McClure**, students in the PLM concentration of the Energy Resource Management and Development degree program attended a networking event hosted by the Denver Association of Professional Landmen (DAPL).



- Two new nuclear certificates in partnership with the College of Engineering and Physical Sciences were approved by the Board of Trustees.

Outreach

- Senior Director of Research **Scott Quillinan** presented in his hometown of Evanston, Wyo. as part of Governor **Mark Gordon's** townhall meeting.
- SER Executive Director **Holly Krutka** served on a panel at the Governor's Business Forum highlighting emerging and unique energy projects and trends.



STAFF SPOTLIGHT

Frankie Vogt
Business Manager



SER's Business Manager **Frankie Vogt** was among the inaugural group to complete the University of Wyoming's Presidential Leadership Institute (PLI).

This leadership development initiative is designed to equip UW staff members with skills to strengthen their roles and enhance UW's supportive campus community. Over the course of five months, 25 staff members across the university came together to participate in a series of immersive leadership sessions.

An exceptional member of SER's business and finance team, Frankie also serves as the UW Staff Senate representative for the School of Energy Resources.

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Farewell to Director **Kara Fornstrom** in the Center for Energy Regulation and Policy Analysis. Best of luck in the next chapter of your career!



ENERGY JOKE

Why did ammonia order a pumpkin spice latte?



Because it was basic.

SER BIRTHDAYS!

NOVEMBER

Fred McLaughlin, November 9
Autumn Eakin, November 10
Kara Fornstrom, November 16
Scott Quillinan, November 17

Reminder: If you want your birthday recognized, please update your information with Kristi Russow at krussow@uwyo.edu.

IMPORTANT DATES

- **End-of-semester Academic Party and "Landman" Screening**
December 5, 2024
- **SER Holiday Gathering**
December 12, 2024
- **Fall Commencement Ceremony**
December 14, 2024
- **SER All Staff Meeting**
December 16, 2024
- **UW Winter Break/Holiday Closure**
December 24, 2024 - January 1, 2025

