

August | 2024

UW SER PROJECT SELECTED FOR FUNDING UNDER DOE REGIONAL CARBON MANAGEMENT INITIATIVE

The U.S. Department of Energy (DOE) has selected the University of Wyoming School of Energy Resources (SER) to lead a regional initiative for technical assistance partnerships to advance the deployment of basin-scale carbon transportation and storage.

With an anticipated \$4.7 million from DOE, the planned \$5.9 million Wyoming Technical Assistance Collaboration for Carbon Management (WYTAC-CM) project intends to build a comprehensive and intuitive central data repository of technical and nontechnical information to accelerate development of carbon storage projects in the Greater Green River Basin and Wind River Basin.

The project will be co-led by **Lily Jackson** and **Dan Eakin**, research professionals in SER's Center for Economic Geology Research (CEGR).



LILY JACKSON



DAN EAKIN

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ELLBOGEN FOUNDATION GIFT SUPPORTS UW SER'S NUCLEAR ENERGY RESEARCH CENTER

A major investment from the John P. Ellbogen Foundation will support nuclear energy instruction and the Nuclear Energy Research Center (NERC) in the University of Wyoming's School of Energy Resources (SER).

The \$1 million gift will be matched dollar for dollar by the state of Wyoming to establish the John P. Ellbogen Foundation Nuclear Energy Research Center Fund.

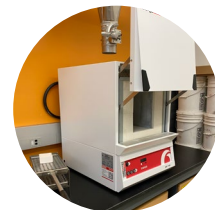
Dedicated to creating or causing change primarily for the benefit of the people of Wyoming through the support of science, education and charity, the John P. Ellbogen Foundation is a longtime and generous partner of UW, supporting the university's educational efforts, various programs, faculty and students

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HIGHLIGHTS

Research Centers of Excellence

- **Fred McLaughlin**, director of the *Center for Economic Geology Research (CEGR)* attended Basin Electric Power Cooperative's annual meeting in Bismarck, ND.
- **Scott Quillinan**, **Fred McLaughlin**, and **David Lucke** represented SER at the Plains CO₂ Reduction (PCOR) Partnership annual meeting in Bismarck, ND.
- The critical mineral team in *CEGR* installed a new furnace in the second floor lab for incinerating coal samples to test for critical minerals.
- A large group of representatives in *CEGR* presented on grants at the NETL/FECM Carbon Management Project update meeting in Pittsburgh, PA. The group was accompanied by **Trina Igelsrud-Pfiever** in the *Center for Carbon Capture and Conversion (CCCC)* and Director of Outreach **Christine Reed**.



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

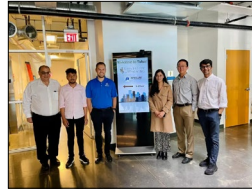


UNIVERSITY
OF WYOMING

School of
Energy Resources

WYOMING CARBONSAFE PROJECT COMPLETES FEED STUDY FOR CO₂ TRANSPORTATION

The Center for Economic Geology Research (CEGR) in the University of Wyoming School of Energy Resources (SER) completed a front-end engineering design (FEED) study for the Wyoming CarbonSAFE Project, which is developing a carbon storage hub around Basin Electric Power Cooperative's Dry Fork Station near Gillette.



In collaboration with Resolute Engineering, the FEED study evaluated, analyzed and presented various considerations in transporting carbon dioxide from Dry Fork Station to proposed Class VI injection wells that are being assessed under Phase III of the Wyoming CarbonSAFE Project.

Led by **Charlie Zhang**, an associate professor in the UW Department of Civil and Architectural Engineering and Construction Management, the study seeks to determine the potential buildout of a pipeline to connect the proposed well pads in the area to Dry Fork Station.

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UW SER'S HOLUBNYAK RECEIVES NATIONAL AWARD FOR HYDROGEN WORK

Eugene Holubnyak, in the University of Wyoming's School of Energy Resources (SER), has been recognized by the Society of Petroleum Engineers (SPE) as a 2024 recipient of a regional award for his technical expertise and exceptional contributions to programs focused on hydrogen transportation and storage.

SPE honors members among 13 regions worldwide who have contributed outstanding service and leadership to the society, as well as those who have made major professional contributions to their technical disciplines at the regional level.

Nominated by peers among the SPE organization, Holubnyak was named the recipient of an SPE Projects, Facilities and Construction Award for the Rocky Mountain North America Region and is listed among other awardees here. He will be formally recognized at an SPE dinner and ceremony later this year.

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HIGHLIGHTS

Research Cont.

- The research team in *H₂ERC* attended the Society of Petroleum Engineers International Energy Transition Symposium in Conroe, TX.



- **Madeleine Lewis** in the *Jurisprudence of Underground Law and Energy (JOULE)* research group held the kickoff meeting for the Sloan project.

- The Nuclear Innovation Bootcamp (NIB) hosted by the *Nuclear Energy Research Center (NERC)* and SER Professor of Law **Tara Righetti**, was completed. The NIB brought together an international cohort of students and young professionals to learn about the nuclear industry, especially activities in Wyoming.



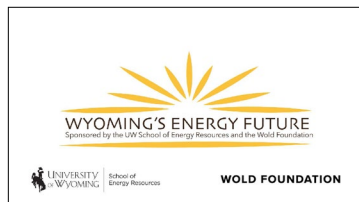
Academics

- **Emily Clinkscales** successfully defending her master's thesis! Part of the **John Kaszuba** research group, Clinkscales was funded under the Wyoming CarbonSAFE project.
- Undergraduate student **Hailey Allison** graduated in summer 2024 with a minor in Energy Resource Management. She earned her B.S. in Geology.
- PLM Director **Kristen Pritchett** attended the AAPL Landman Scholarship Trust Annual Meeting.



UW'S SER AND WOLD FOUNDATION TO HOST SYMPOSIUM ON WYOMING'S ENERGY FUTURE SEPT. 12

The University of Wyoming School of Energy Resources (SER) and the Wold Foundation will host a joint symposium Thursday, Sept. 12, that focuses on the state's energy future with a specific focus on economic geology.



The "Wyoming's Energy Future" symposium will begin at 10 a.m. in the UW Conference Center. A networking reception and student poster competition will follow from 4-5 p.m. Registration is currently open for the in-person forum, and the day's events and speakers will be recorded and made available on the SER website at a later date.

Examining different topics from an industry perspective as well as an academic perspective, the free event brings together leading experts across the spectrum of energy development and various state stakeholders to collaborate and learn about what comes next for energy in Wyoming.

Given its importance to Wyoming and relevant expertise at SER and across the state, this year's symposium will have an emphasis on Wyoming economic geology opportunities. **Gov. Mark Gordon** will give the keynote luncheon talk.

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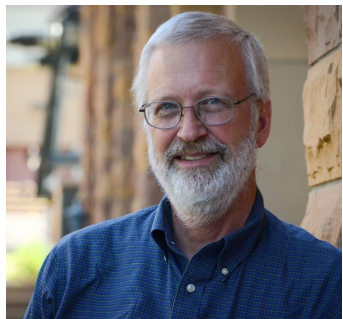
MARK BEHRENS JOINS SCHOOL OF ENERGY RESOURCES AS CCCC PROGRAM MANAGER

The Center for Carbon Capture and Conversion (CCCC) in the School of Energy Resources is pleased to announce the addition of Mark Behrens to the carbon engineering team as the new Program Manager for technology scale-up.

Having previously worked with the CCCC as a contractor, Behrens has proven himself to be a vital part of the research center dedicated to the growth and commercialization of the coal processing technologies under development.

Behrens enjoyed a tremendously successful career working in project development engineering, manufacturing engineering and product commercialization, and brings a wealth of experience and specialized expertise to SER.

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HIGHLIGHTS

Academics Cont.

- SER adjunct professor **Temple Stoellinger** was named Associate Dean of the Haub School of Environment and Natural Resources!
- SER welcomed two new faculty members, **Bryan Leonard**, SER Professor of Environment and Natural Resources, and **Jennifer Bell**, SER Professor of Soil Sciences. Profiles coming soon!
- SER will host a welcome back BBQ with the new students on September 5, from 4-6 PM in the EIC second floor lobby! Stop by and mingle with our students!



Outreach

- Representatives from SER attended the public hearing for the carbon storage project led by Tallgrass. **Sabrina Kaufman** and **Matt Johnson** provided general information to the public on CCUS.
- Many representatives from SER and students attended the Petroleum Association of Wyoming Rockies Petroleum Conference.
- The signage for the Tallgrass student lounge area was finally installed! The recognition is part of the gift from Tallgrass to support the CO₂ Storage Excellence Fund.



PEIGHTON HAYES JOINS SCHOOL OF ENERGY RESOURCES AS SPECIAL EVENTS COORDINATOR

The School of Energy Resources is pleased to welcome **Peighton Hayes** as the Special Events Coordinator.

Originally from Cheyenne, Hayes earned a B.S. in Family and Consumer Science from the University of Wyoming in 2020. Her degree had significant overlap with the interdisciplinary program at SER, and she has a working knowledge of many of the research programs at SER.



In her new role, she will be responsible for coordinating logistics for all major events, provide speaker support, and will bridge the outreach demands for both the academic program and the research program at SER. [Continue Reading >>>](#)

SCHOOL OF ENERGY RESOURCES WELCOME ROBERT CINCOTTA TO RESEARCH TEAM

The School of Energy Resources (SER) is pleased to announce **Robert Cincotta** as an Assistant Research Professional in the Hydrogen Energy Research Center (H₂ERC).



In his new role, Cincotta's main focus is on the development of steam methane reforming processes for a Department of Energy-sponsored project integrating steam methane reforming with a produced water thermal desalinization technology for efficient hydrogen production. He has been serving the early months of his SER position as a guest scientist at Los Alamos National Lab to utilize facilities for this research.

In addition to his current role at LANL, Cincotta is involved in additional project proposals under development in H₂ERC and will play a vital role in their implementation upon his return.

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ENERGY JOKE

What's a chemist's favorite type of dog?
A Laboratory retriever.



IMPORTANT DATES

- **Labor Day - Office Closed**
September 2, 2024
- **Welcome BBQ Potluck**
September 6, 2024
- **Wyoming's Energy Future Symposium**
September 12, 2024
- **Distinguished Speaker Series Presentation- Christi Barry**
September 13, 2024
- **SER All Staff Meeting**
September 16, 2024
- **Subsurface BBQ**
September 20, 2024
- **SER Director's Retreat**
September 23-24, 2024
- **Distinguished Speaker Series Presentation- Reza Barati**
September 27, 2024
- **Distinguished Speaker Series Presentation- Jeff Merrifield**
October 4, 2024
- **Energy Day Festivities and Game**
October 11-12, 2024
- **Distinguished Speaker Series Presentation- Todd Allen**
October 11, 2024
- **Tribal Energy Summit**
October 17, 2024

SER BIRTHDAYS!

AUGUST

Martha Reisch, August 8
Holly Krutka, August 12
Pat McLean, August 17

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

