



Energy Resources Council

Draft Minutes

November 18, 2022

7:30 AM - 1:30 PM

ATTENDANCE

Energy Resources Council (ERC)

Chairman Cindy Crane, Senator Jim Anderson, Carl Bauer, David Emery, Chad Teply (zoom), Vello Kuuskraa (zoom), Mark Doelger

Ex-Officio members: Ed Seidel, Dave True, Randall Luthi, John Koprowski

University of Wyoming Board of Trustees (BOT)

Chairman John McKinley, Michelle Sullivan, Laura Schmid-Piazzo, Jeff Marsh, Brad LaCroix, Carol Linton, Macey Moore, Elizabeth Greenwood, Brad Bonner, David Fall

SER Staff & Guests

Holly Krutka, Jerry Evans, Fred McLaughlin, Lon Whitman, Rachel Ferrell, Kyle Summerfield, Christine Reed, Kami Danaei, Eugene Holubnyak, Scott Quillinan, Trina Igelsrud Pfeiffer, Kristi Russow, Paul Hickey, Brent Burg, Kelsey Kyne, Ryck Luthi, Matt Coeny, Jeremy Friesen, John Pope, Derek Silbaugh Randy Scott (zoom), Frankie Vogt (zoom), William Rich (zoom), Kelli Kast (zoom), Carrie Ver Burg (zoom), J. Pickarts (zoom), George Byers (zoom), Erin Phillips (zoom), Matt Johnson (zoom), Jake Dippel (zoom), Quincy Wofford (zoom)

ERC JOINT MEETING WITH BOT

Call to Order

Chairman John McKinley of the BOT called the joint meeting to order at 7:25 AM.

Welcome

Chairman McKinley welcomed everyone to the meeting.

Chairman Crane welcomed the group and discussed the important SER collaborations across campus including with the College of Engineering and Physical Sciences, College of Agriculture and Natural Sciences, Haub School for Environment and Natural Resources, and the College of Law, particularly highlighting the coal-derived soil amendment project and its importance for the reclamation process.

She discussed the administration of new areas of research in advancing nuclear energy in Wyoming and rare earth element (REE) projects through combined research and academic programs.

In reference to operations, she applauded SER's increased transparency with faculty support and competitive Requests for Proposals (RFPs).

Finally, she commended the SER academic program for its investment in talent to lead the program and grow enrollment and SER's outreach for reengaging with industry and community stakeholders post-covid.

Reports/Discussion

- **SER Executive Director - Holly Krutka**
Dr. Krutka gave an overview of current projects and accomplishments in the School of Energy Resources.
- **Trustee Brad Bonner** announced that long-time UW friend, supporter, honorary alumnus and energy industry professional Jim Nielson had passed away.
- **Trustee Betsy Greenwood** commented that Academic Student Affairs was very enthusiastic about the new CCUS certificate program.

Closing Remarks

Chairman Crane offered closing remarks and thanks to all those in attendance. The joint session concluded at 8:24 AM.

ERC REGULAR MEETING: ITEMS BY DETAIL

Call to Order

Chairman Cindy Crane called the regularly scheduled ERC meeting to order at 8:38 AM.

Approval of Agenda

Chairman Crane requested that the agenda be amended to move the exception funding requests to before the Executive Director's report, and to therefore adjust any break to be taken as needed.

Motion: Chairman Crane made motion to approve agenda as modified. Hearing no objections, the motion passed unanimously.

Approval of August 2022 Minutes

Motion: Chairman Crane motioned to accept the August 2022 minutes with no changes. Dave Emery moved to approve the request. The motion was seconded by Senator Anderson. The motion passed unanimously.

Exception Funding Request Review

Wyoming Energy Authority (WEA) Competitive Grants

In response to the “Solid Fuels to Hydrogen Initiative” Request for Proposals (RFP), WEA recommended funding two projects. Under the RFP, the funding account was approved for \$1M. A third, non-competitive grant proposal was also recommended for funding by WEA and brought before the ERC Exception Review and Recommendation Committee (ERRC) for approval.

Project 1: Black Hills Energy

The ERRC recommended to advance the Black Hills Energy Project.

Motion: Chairman Crane made a motion to approve. Carl Bauer moved to approve the request. The motion was seconded by Dave Emery. The motion passed unanimously, with Dave Emery choosing to abstain from voting to avoid any perceived conflict of interest.

Project 2: Kanata-Glenrock Project

The ERRC asked to see a little more solidification and clarity around the project being proposed, more cash cost share contribution from Kanata-Glenrock as well as greater interest from the Kemmerer mine – such as a cash cost share or form of investment from the mine.

Randall Luthi offered comments on how pleased the state is with efforts and projects to reach net negative carbon goals with fossil fuels.

The was no motion to approve.

Project 3: Rare Element Resources (non-competitive proposal)

Based on the details of the project, the ERRC recommended the approval of funding for the project, contingent on the receipt of the “go decision” approval from the state for the “go or no go” milestone.

Motion: Chairman Crane made motion to approve the request and \$4.4M in state matching funds. Senator Jim Anderson moved to approve the request. The motion was seconded by Dave Emery. The motion passed unanimously.

Reports/Motions

Full copies of the following SER reports/PPT are available in the November ERC Notebook or upon request.

- Executive Director - Holly Krutka
- Center for Energy Regulation & Policy Analysis - Holly Krutka
Dr. Krutka announced that Kara Brighton Fornstrom would be joining the School of Energy Resources as the new Director of CERPA.

Questions for non-presenting directors

- Enhanced Oil Recovery Institute (EORI) - Lon Whitman
- Outreach - Christine Reed
- Hydrogen Energy Research Center - Eugene Holubnyak

Presenting directors

- Research - Scott Quillinan
- Center for Economic Geology Research - Fred McLaughlin
- Center for Carbon Capture and Conversion - Trina Igelsrud Pfeiffer
- Academics - Kami Danaei
- 3D Visualization Center - Kyle Summerfield
- SER Finance - Rachel Ferrell

New Business

The Board discussed the update on the status of the Integrated Test Center (ITC) and under which organization it would be housed. A decision from the Governor's Office has not yet been made.

The Board discussed setting the dates for the 2023 regular ERC meetings. Dates had been suggested, but there were too many people absent to make a decision. Therefore, dates would be set after a consensus was reached via email between SER and ERC Board members.

Adjournment

Hearing no other new business, and not needing an executive session, the board moved to adjourn the meeting.

Motion: Chairman Crane moved to adjourn the regular meeting. Dave Emery seconded the motion. The motion passed without objection.

Members of the ERC adjourned the regular meeting at 12:08 PM.

NEXT MEETING DETAILS

March 31, 2023

Tasks and Assignments

- Set 2023 ERC Board Meeting dates
- Request final executed copy of MOU between UW and EORC to ERC for records
- Provide clarity around a plan to get the demonstration up and running and completed on the coal drying technology with the CCTI kiln
- Invite directors from the Wind Energy Research Center (WERC) and the Center for Produced Water Management to ERC Meetings for updates
- Provide information on the use of ground carbon in tire rubber - find out the ratios and extracts, and the reason behind the specifications (malleability)
- Provide a status update on exception funded projects approved by the ERC that are not covered in the regular SER updates to the ERC (e.g. WEA and COIFPM exception funds)

RESPECTFULLY SUBMITTED:

Cindy Crane
Chairman

James Anderson
Vice-Chairman

SEATTLE
MINUTES