



Energy Resources Council Draft Minutes

August 26, 2022
7:30 AM - 1:30 PM

ATTENDANCE

Energy Resources Council (ERC)

Senator Jim Anderson, Carl Bauer, Charlene Russell (zoom), David Emery, Chad Teply, Vello Kuuskraa (zoom), Mark Doelger and Representative Donald Burkhart.
Ex-Officio members: Dave True

SER Staff & Guests

Holly Krutka, Jerry Evans, Richard Horner, Fred McLaughlin, Lon Whitman, Rachel Ferrell, Kyle Summerfield, Christine Reed, Kami Danaei, Eugene Holubnyak, Scott Quillinan, Tiffany Bishop (zoom), Trina Pfeiffer, Frankie Vogt (zoom), David Lucke (zoom), Erin Phillips (zoom), Haibo Zhai, Kara Choquette (zoom), Kristi Russow

ERC REGULAR MEETING: ITEMS BY DETAIL

Call to Order

Vice-Chairman Senator Jim Anderson called the regularly scheduled ERC meeting to order at 7:30 AM.

Approval of Agenda

Motion: Senator Jim Anderson motioned to accept the agenda with no changes. Hearing no objections, the motion passed unanimously.

Approval of June 2022 Minutes

Motion: Senator Jim Anderson motioned to accept the June 2022 minutes with no changes. Hearing no objections, the motion passed without objection.

Reports/Motions

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

- **Executive Director - Holly Krutka**
 Dr. Krutka gave an overview of current projects and accomplishments in the School of Energy Resources and discussed exception funding requests that are due at end of August. She provided an update of her testimony before the U.S. Senate Committee on Energy and Natural Resources on Federal Regulatory Pipeline Transmission for Hydrogen.

 In addition to the new exception funding requests, Dr. Krutka provided an update on unresolved requests that were on the June agenda. It was agreed that voting on the funding would take place in new business section on the agenda.
- **Center for Energy Regulation & Policy Analysis - Holly Krutka**
 Dr. Krutka reported that the second of two rare earth element economic analysis papers was recently released in CERPA and brings attention to the revenue that would come to the state through various taxes on the Bear Lodge Demonstration Project led by Rare Element Resources.
- **Enhanced Oil Recovery Institute (EORI) - Lon Whitman**
 The Enhanced Oil Recovery Commission (EORC) meeting is scheduled for September 9, 2022 for more discussion on the MOU with UW.
- **Academics - Kami Danaei**
- **Center for Carbon Capture and Conversion - Trina Igelsrud Pfeiffer**
- **Center for Economic Geology Research - Fred McLaughlin**
 The report included a special presentation on research conducted on the extraction of rare earth elements from Powder River Basin coal fly ash by SER Research Scientist, Davin Bagdonas.
- **Research - Scott Quillinan**
 Mr. Quillinan said that the IIAJ cost share proposals for the funding set aside by the Governor’s Office are ready to go, and Research is poised to submit those requests.
- **Hydrogen Energy Research Center - Eugene Holubnyak**
- **3D Visualization Center - Kyle Summerfield**
- **Outreach - Christine Reed**
- **SER Finance - Rachel Ferrell**

New Business

Three new exception budgets were brought before the ERC Board for consideration. The exception requests are approved by this group and then will be put forth to UW. They are ranked in priority 1) Carbon Engineering 2) Mowry 3) Gift Match.

The remaining exception request on the docket from the previous ERC meeting for carbon capture matching funds for Dr. Fan was also considered.

- **\$1.5 Million Endowment and Gift Match**

A request was brought forth for a \$1.5 million endowment for matching gifts when charitable gifts are made to the School of Energy Resources in order to double the impact of large gifts.

Motion: Chad Teply moved to approve the request. The motion was seconded by Senator Anderson. The motion passed unanimously.

- **\$2.5 Million Mowry Research**

The request was made for \$2.5 million to continue to explore the Mowry Shale for oil & gas recovery.

Motion: Chad Teply made a motion to approve the request. Dave True seconded the motion. The motion was passed unanimously.

- **\$12.25 Million Carbon Engineering**

The request was made for \$12.25 million to continue research in carbon engineering as the current projects are poised to scale up.

Motion: Representative Burkhart made a motion to approve the request. Carl Bauer seconded the motion. The motion was passed unanimously.

- **Request from Dr. Fan for \$250,000 for Engineering Scale Testing on Carbon Capture Technology**

No motion for approval was brought forth. The Board decided that it can be brought up again at a later date, but more information is still needed on what happens if the grant is awarded but is unable to be executed at the ITC.

Adjournment

Hearing no other new business, nor having a need to break for an executive session, the board moved to adjourn the meeting.

Motion: Senator Anderson moved to adjourn the regular meeting. Representative Burkhart seconded the motion. The motion passed without objection.

Members of the ERC adjourned the regular meeting at 12:10 PM.

NEXT MEETING DETAILS

The next regularly scheduled meeting is November 17 & 18, 2022 at the Hilton Garden Inn.

Tasks and Assignments

- Provide some data on coal derived asphalt v. oil based asphalt CO₂ emissions for next time
- Provide some data on the required energy use in the production of coal vs. clay bricks
- Provide numbers for next meeting on all of the VOC, preliminary data etc. on the demonstration house
- Work towards naming the bricks something other than "Char"

RESPECTFULLY SUBMITTED:

Cindy Crane
Chairman

James Anderson
Vice-Chairman

MINUTES