



Powder River Basin CORE-CM Annual Forum August 31 - September 1, 2022 Gillette College Technical Education Center | Gillette Wyoming

WEDNESDAY, AUGUST 31

Optional Tours and Activities	
2:00 - 2:45 PM	Wyoming Innovation Center (WyIC) Tour Led by Jim Ford , Founder - Waypoints Wyoming; Energy and Industry Advisor to Campbell County Wyoming Commission 10 Innovation Dr, Gillette, WY 82716
3:15 - 4:15 PM	Area 59 Facility Tour Led by Jan Folland , Area 59 Secondary Education Coordinator 3207 S Douglas Hwy, Gillette, WY 82718
4:30 - 6:00 PM	Gillette College Facility Tours Led by:
	Travis Grubb, Dean of Career and Technical Education, Gillette Community College Mark Andersen, Director of Facilities, Gillette Community College Gillette College Technical Education Center, 3251 South 4-J Road, Section A, Gillette WY, 82718









THURSDAY, SEPTEMBER 1

7:15 - 8:00 AM	Breakfast
8:00-10:15 AM	PLENARY SESSION
8:00 - 8:20 AM	Welcome Remarks Dr. Holly Krutka Executive Director, School of Energy Resources Dr. Erin Phillips Project Manager, Center for Economic Geology Research School of Energy Resources
8:20 - 9:35 AM	 Keynote Speakers: Dr. Kelly Rose, Technical Director, Science-based AI/ML Institute (SAMI) National Energy Technology Laboratory, Research & Innovation Center Dr. Glen Murrell, Executive Director Wyoming Energy Authority Mr. Tom Kaiserski, Manager, Industry Development Program Montana Department of Commerce, Research and Information Services Bureau Mr. Jim Atchison, Executive Director Southeastern Montana Development Corporation
9:35 - 10:15 AM	Project Update Lightning Talks from Task/Sub-task Leads
10:15 - 10:45 AM	Networking Break Sponsored by Dry Fork Mine and Talen Energy









10:45 -11:45 AM	Discussion Session 1 Session 1a: Advanced mining techniques for rare earth elements and critical minerals (Technology Center, Flex Space)
	Chair: Dr. Fred McLaughlin , Director, Center for Economic Geology Research University of Wyoming School of Energy Resources
	Co-Chair: Brent Goehring, Research Scientist, Los Alamos National Laboratory
	Co-Chair: Dave Green, Project Engineer, Western Fuels-Wyoming Inc., Dry Fork Mine
	Session 1b: Technology workforce development and environmental and social justice (Technology Center, Room 213)
	Chair: Selena Gerace , Research Scientist, Center for Economic Geology Research and Center for Energy Regulation and Policy Analysis University of Wyoming School of Energy Resources
	Co-Chair: Phil Christopherson, CEO, Energy Capital Economic Development
	Co-Chair: Janell Oberlander , President Gillette College
11:45 AM -12:45 PM	Lunch Sponsored by Gillette College
	GilletteCollege
12:45 -1:45 PM	Discussion Session 2 Session 2a: Carbon ore to products (Technology Center, Flex Space)
	Chair: Scott Quillinan , Senior Director of Research University of Wyoming School of Energy Resources
	Co-Chair: Aurelia S. Giacometto, Independent Director of Ramaco Resources
	<u>Student Lightning Talk:</u> <i>"Understanding the electrochemical properties of coal-derived</i> <i>carbon fibers from experiment and computational modeling"</i> Mr. Robert E. F. Cincotta and Mr. Mohammad Masirul Afroz PhD students in the UW Department of Chemical Engineering
	Session 2b: Basin-wide infrastructure and supply chain considerations (Technology Center, Room 213)
	Chair: Kipp Coddington , Senior Advisor University of Wyoming School of Energy Resources
	Co-Chair: Stephanie Salazar , Executive Director Upton Economic Development Board
	Co-Chair: Tom Kaiserski , Manager, Industry Development Program, Montana Department of Commerce, Research and Information Services Bureau





2:00 - 3:00 PM	Discussion Session 3 Session 3a: Rare earth element and critical mineral utilization and downstream manufacturing (Technology Center, Flex Space)
	Chair: Dr. Fred McLaughlin , Director, Center for Economic Geology Research University of Wyoming School of Energy Resources
	Co-Chair: Sam Pierce, Senior Geologist, Western Rare Earths
	Co-Chair: Ryan Davison , Associate Professor and Research Geologist, Montana Bureau of Mines and Geology, Montana Tech
	<u>Student Lightning Talk:</u> "Distribution of ion-exchangeable rare earth elements and critical minerals in coal- hosted clays of the Powder River Basin, WY" Ms. Sophia Stuart MS student in the UW Department of Geology & Geophysics
	Session 3b: Utilization of waste products for rare earth element and critical mineral recovery (Technology Center, Room 213)
	Chair: Charles Nye , Associate Research Scientist, University of Wyoming School of Energy Resources
	Co-Chair: Steve Sutliff , Sr. Project Manager, Talen Major Projects, Talen Energy
	Co-Chair: Gordon Criswell, Environmental Manager, Colstrip Station, Talen Energy
	<u>Student Lightning Talk:</u> "Investigating Rare Earth Elements in Sedimentary Basins" Ms. Ellen Polites PhD student in the UW Department of Geology & Geophysics
3:15 - 4:15 PM	Discussion session 4 Session 4a: Rare earth element and critical minerals extraction and processing (Technology Center, Flex Space)
	Chair: Scott Quillinan , Senior Director of Research University of Wyoming School of Energy Resources
	Co-chair: Morgan Volker Evans, Principal Research Scientist, Energy Division, Battelle
	Co-chair: Randy Scott , President and Chief Executive Officer Rare Element Resources
4:15 - 4:30 PM	Concluding Remarks and Adjourn

