



U.S. DEPARTMENT OF
ENERGY



Carbon Management and Oil and Gas Research Project Review Meeting Integrated CCUS Projects and FEED Studies Virtual Session Agenda

All times designated in Eastern Daylight Time

Monday, August 2, 2021

10:00 AM Introductory Remarks

Jennifer Granholm, Secretary of Energy, U.S. Department of Energy

10:10 AM Plenary Presentation

Jennifer Wilcox, Principal Deputy Assistant Secretary, Office of Fossil Energy and Carbon Management, U.S. Department of Energy

10:35 AM Plenary Presentation

Brian Anderson, Director, National Energy Technology Laboratory, U.S. Department of Energy

Moderator: Mark McKoy

11:00 AM Plains CO₂ Reduction (PCOR) Partnership Initiative (FE0031838)

Kevin Connors, University of North Dakota Energy and Environmental Research Center

11:10 AM Front-End Engineering and Design: Project Tundra Carbon Capture System (FE0031845)

Gerry Pfau, Minnkota Power Cooperative, Inc.

11:35 AM North Dakota Carbonsafe Phase III: Site Characterization and Permitting (FE0031889)

Wesley Peck, University of North Dakota Energy and Environmental Research Center

12:00 PM BREAK

Moderator: Dan Hancu

12:45 PM SECARB-USA: A Year in Review (FE0031830)

Benjamin Wernette, Southern States Energy Board

12:55 PM Front End Engineering Design of Linde-Basf Advanced Post-Combustion CO₂ Capture Technology at a Southern Company Natural Gas-Fired Power Plant (FE0031847)

Landon Lunsford, Southern Company Services, Inc.

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- 1:20 PM** **Establishing an Early CO₂ Storage Complex in Kemper County, Mississippi: Project EC₀₂S (Phase III) (FE0031888)**
Dave Riestenberg, Advanced Resources International
- 1:45 PM** **Carbon Utilization and Storage Partnership of the Western United States (FE0031837)**
Robert Balch, New Mexico Institute of Mining and Technology
- 1:55 PM** **Update on Large-Scale Commercial Carbon Capture Retrofit of the San Juan Generating Station (FE0031843)**
Peter Mandelstam, Enchant Energy LLC
- 2:20 PM** **San Juan Basin Carbonsafe Phase III: Ensuring Safe Subsurface Storage of Carbon Dioxide in Saline Reservoirs (FE0031890)**
William Ampomah, New Mexico, Institute of Mining and Technology
- 2:45 PM** **BREAK**
- Moderator: Bill Aljoe**
- 3:00 PM** **Regional Initiative to Accelerate CCUS Deployment in Midwestern and Northeastern USA (FE0031836)**
Neeraj Gupta, Battelle Memorial Institute
- 3:10 PM** **Full-Scale Feed Study for Retrofitting the Prairie State Generating Station with an 816 MWe Capture Plant Using Mitsubishi Heavy Industries of America Post-Combustion CO₂ Capture Technology (FE0031841)**
Kevin O'Brien and Jason Dietsch, University of Illinois
- 3:35 PM** **Illinois Storage Corridor (FE0031892)**
Steve Whittaker, University of Illinois
- 4:00 PM** **Wyoming Regional Perspective**
Kipp A. Coddington, University of Wyoming, School of Energy Resources

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- 4:10 PM** **Commercial-Scale Front-End Engineering Design Study for Membrane Technology Research's Membrane Carbon Dioxide (CO₂) Capture Process (FE0031846)**
Brice Freeman, Membrane Technology & Research Inc.
- 4:35 PM** **Wyoming Carbonsafe: Accelerating CCUS Commercialization and Deployment at Dry Fork Power Station and the Wyoming Integrated Test Center (FE0031891)**
Fred McLaughlin and Scott Quillinan, University of Wyoming – School of Energy Resources
- 5:00 PM** **ADJOURN**



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Tuesday, August 3, 2021

Moderator: Jose Figueroa

9:45 AM **CCUS Policy Update**
Brad Crabtree, Great Plains Institute and Keith Tracy, Elysian Ventures

Moderator: Andrew Jones

10:30 AM **Longship CCUS Project Update**
Audun Røsjarde, Technology Center Mongstad

11:00 AM **Commercial Carbon Capture Design and Costing: Part Two (C₃DC₂) (FE0031840)**
Andrew Awtry, ION Clean Energy, Inc.

11:25 AM **FEED for Piperazine with the Advanced Stripper on NGCC (FE0031844)**
Gary Rochelle, University of Texas at Austin

11:50 AM **Front-End Engineering Design Study for Retrofit Post-Combustion Carbon Capture on a Natural Gas Combined Cycle Power Plant (FE0031842)**
Abhoyjit Bhowan, Electric Power Research Institute, Inc.

12:15 PM **BREAK**

Moderator: Katharina Daniels

1:00 PM **Initial Engineering and Design for CO₂ Capture from Ethanol Facilities (FE0031938)**
Jason Laumb, University of North Dakota Energy and Environmental Research Center

1:25 PM **Carbon Capture from the Blast Furnace at the Cleveland-Cliffs Burns Harbor Plant (FE0031937)**
Abhijit Sarkar and Atanu Mukherjee, Dastur International, Inc.

1:50 PM **Engineering Design of a Polaris Membrane CO₂ Capture System at a Cement Plant (FE0031949)**
Tim Merkel, Membrane Technology and Research, Inc.

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- 2:15 PM** **LH CO₂MENT Colorado Project (FE0031942)**
Deborah Jelen, Electricore, Inc. and Claude Letourneau, Svante Inc
- 2:40 PM** **BREAK**
- 2:55 PM** **Engineering Design of a Linde-BASF Advanced Post-Combustion CO₂ Capture Technology at a Linde Steam Methane Reforming H₂ Plant (FE0031943)**
Minish Shah, Praxair, Inc.

Moderator: Lynn Brickett

- 3:20 PM** **Panel Discussion: Financing CCUS Development**
Eric Toone, Breakthrough Energy Ventures
James Mackey, Oil & Gas Climate Initiative
Chris Ott, CIBC Capital Markets

Moderator: Mark McKoy

- 4:20 PM** **Panel Discussion: CCUS Infrastructure**
Chris Greig, Net Zero America Project
Richard Esposito, Southern Company
Ryan Edwards, Oxy Low Carbon Ventures
- 5:20 PM** **ADJOURN**