



DOE-NETL'S 2020 INTEGRATED  
PROJECT REVIEW MEETING  
CCUS Integrated Projects  
Virtual Agenda  
August 17-19, 2020

**Monday, August 17, 2020**

- Moderator Mark Ackiewicz, U.S. Department of Energy  
10:00 a.m. Steven Winberg, Assistant Secretary for Fossil Energy, U.S. Department of Energy
- 10:15 a.m. Brian Anderson, Director, National Energy Technology Laboratory
- 10:30 a.m. Overview of DOE Carbon Capture and Storage Programs Mark Ackiewicz

**Integrated Projects**

- Moderator Mark McKoy, National Energy Technology Laboratory  
11:00 a.m. **Plains CO<sub>2</sub> Reduction Partnership Initiative (FE0031838)**  
Kevin Connors, University of North Dakota Energy and Environmental Research Center
- 11:10 a.m. **Front-End Engineering and Design: Project Tundra Carbon Capture System (FE0031845)**  
Gerry Pfau, Minnkota Power Cooperative, Inc.
- 11:35 a.m. **North Dakota CarbonSAFE Phase III: Site Characterization and Permitting (FE0031889)**  
Wesley Peck, University of North Dakota Energy and Environmental Research Center
- 12:00 p.m. **LUNCH**
- 12:45 p.m. **Southeast Regional CO<sub>2</sub> Utilization and Storage Acceleration Partnership (FE0031830)**  
Patti Berry, Southern States Energy Board
- 12:55 p.m. **Front-End Engineering Design of Linde-BASF Advanced Post-Combustion CO<sub>2</sub> Capture Technology at a Southern Company Natural Gas-Fired Power Plant (FE0031847)**  
Landon Lunsford, Southern Company Services, Inc.
- 1:20 p.m. **Establishing an Early CO<sub>2</sub> Storage Complex in Kemper County, Mississippi: Project ECO<sub>2</sub>S (Phase III) (FE0031888)**  
David Riestenberg, Advanced Resources International, Inc., Richard A. Esposito, Southern Company Services
- 1:45 p.m. **Carbon Utilization and Storage Partnership of the Western United States (FE0031837)**  
Robert Balch, New Mexico Institute of Mining and Technology
- 1:55 p.m. **Large-Scale Commercial Carbon Capture Retrofit of the San Juan Generating Station (FE0031843)**  
Jason Selch, Enchant Energy LLC

- 2:20 p.m. **San Juan Basin CarbonSAFE Phase III: Ensuring Safe Subsurface Storage of CO<sub>2</sub> in Saline Reservoirs (FE0031890)**  
William Ampomah, New Mexico Institute of Mining and Technology
- 2:45 p.m. **BREAK**
- Moderator Mary Sullivan, National Energy Technology Laboratory  
3:00 p.m. **Regional Initiative to Accelerate CCUS Deployment in Midwestern and Northeastern USA (FE0031836)**  
Sallie Greenberg, Illinois State Geological Survey and Neeraj Gupta, Battelle
- 3:10 p.m. **Full-Scale FEED Study for Retrofitting the Prairie State Generating Station with an 816 Mwe Capture Plant Using Mitsubishi Heavy Industries of Amercia (FE0031841)**  
Kevin O'Brien, University of Illinois
- 3:35 p.m. **Illinois Storage Corridor (FE0031892)**  
Steve Whittaker. Univ. of Illinois, Illinois Geological Survey
- 4:00 p.m. **ADJOURN**

## Tuesday, August 18, 2020

### Integrated Projects (continued)

- Moderator Dan Hancu, National Energy Technology Laboratory  
10:00 a.m. **Wyoming Regional Perspective**  
Kipp Coddington, University of Wyoming
- 10:10 a.m. **Commercial-Scale Front-End Engineering Design Study for Membrane Technology Research's Membrane (CO<sub>2</sub>) Capture Process (FE0031846)**  
Tim Merkel, Membrane Technology and Research, Inc.
- 10:35 a.m. **Wyoming CarbonSAFE: Accelerating CCUS Commercialization and Development of Dry Fork Power Station and the Wyoming Integrated Test Center (FE0031891)**  
Fred McLaughlin, University of Wyoming
- 11:00 a.m. **Commercial Carbon Capture Design and Costing: Part Two (C3DC2) (FE0031840)**  
Andrew Autry, ION Clean Energy, Inc.
- 11:30 a.m. **Integrated Midcontinent Stacked Carbon Storage Hub (FE0031623)**  
Jared Walker, Battelle Memorial Institute
- 12:00 p.m. **LUNCH**

### FEED Study Projects

- Moderator Andy Jones, National Energy Technology Laboratory  
12:45 p.m. **Front-End Engineering Design (FEED) Study for a Carbon Capture Plant Retrofit to a Natural Gas-Fired Gas Turbine Combined Cycle Power Plant (FE0031848)**  
Bill Elliott, Bechtel National, Inc.

- 1:15 p.m. **Piperazine Advanced Stripper Front End Engineering Design (FE0031844)**  
Gary Rochelle, University of Texas at Austin
- 1:45 p.m. **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.
- 2:15 p.m. **Large Pilot Testing of Linde-BASF Advanced Post-Combustion Carbon Dioxide Capture Technology at a Coal-Fired Power Plant (FE0031581)**  
Kevin O'Brien, University of Illinois
- 2:45 p.m. **BREAK**
- 3:00 p.m. **UKY-CAER Heat-Integrated Transformative CO<sub>2</sub> Capture Process for Pulverized Coal Power Plants (FE0031583)**  
Kunlei Liu, University of Kentucky Research Foundation
- 3:30 p.m. **Large Pilot Testing of the MTR Membrane Post-Combustion CO<sub>2</sub> Capture Process (FE0031587)**  
Richard Baker, Membrane Technology and Research, Inc.
- 4:00 p.m. **ADJOURN**

## **Wednesday, August 19, 2020**

### **International Perspectives**

- Moderator Lynn Brickett, U.S. Department of Energy
- 10:00 a.m. **Technology Centre Mongstad Update**  
Ernst Axel and Arne Kolle, Technology Centre Mongstad
- 10:30 a.m. **Northern Lights Update**  
Mike Carpenter and Audun Rosjorde, Gassnova
- 11:00 a.m. **International CCUS Update from IEAGHG**  
Tim Dixon, IEAGHG
- 11:30 a.m. **Update on CCS Progress in Canada**  
Corwyn Bruce, The International CCS Knowledge Centre
- 12:00 p.m. **LUNCH**

### **Policy and Financing Updates**

- Moderator Darin Damiani, U.S. Department of Energy
- 12:45 p.m. Gianluca Di Federico, Baker Hughes
- 1:15 p.m. Mark Coalmer, Oil & Gas Climate Initiative
- 1:45 p.m. Brad Crabtree, Great Plains Institute, "45 Q Update & Emerging CCUS Policy"
- 2:35 p.m. **ADJOURN**