

Carbon Utilization Infrastructure, Markets, Research and Development – Report 2, Meeting #4

June 27-29, 2023

Livestream Links:

Tuesday, June 27 [Day 1](#)

Wednesday, June 28 [Day 2](#)

Thursday, June 29 [Day 3](#)

Tuesday, June 27, 2023: [Watch Livestream Here](#)

Purpose Information gathering on CO₂ utilization markets, investments, small business opportunities, NETL R&D, and establishing CCUS industrial clusters

10:30 am **Convene Open Session**
Welcome and Opening Remarks for Public Session
Emily Carter, Committee Chair, and Beth Zeitler, Study Director

10:35 am **Carbon Utilization Potential in the Context of other Sustainable Chemical Synthesis Pathways**
(Presentation with Q&A)
Josh Schaidle, NREL

11:05 am **Carbon Dioxide Utilization Potential: Investment Perspectives**
(Moderated Panel Discussion)
Frederic Clerc, NYU CO₂toValue
Jonathan Goldberg, Carbon Direct Capital
Nancy Gillis, World Economic Forum
Moderator: Volker Sick, University of Michigan

12:25 pm **ADJOURN**

Wednesday, June 28, 2023: [Watch Livestream Here](#)

- 10:00 am** **Welcome and Opening Remarks for Public Session**
Emily Carter, Committee Chair, and Beth Zeitler, Study Director
- 10:05 am** **National Energy Technology Laboratory (NETL) Resources on Carbon Dioxide Utilization and Infrastructure, Coal Waste Opportunities, and Life Cycle Assessment**
(Presentations with Q&A)
Joseph Stoffa, Technology Manager, Carbon Conversion and Carbon Ore Processing
Michelle Krynock, Senior Life Cycle Analyst
- 11:30 am** **Challenges and Opportunities for Carbon Utilization Policy**
(Presentation with Q&A)
John Thompson, Clean Air Task Force
- 12:00 pm** **Rare earth elements and critical minerals in coal and coal byproducts**
(Presentation with Q&A)
Allan Kolker, U.S. Geological Survey
- 12:30 pm** **ADJOURN**

Thursday, June 29, 2023: Watch Livestream Here

- 10:00 am ET** **Welcome and Opening Remarks for Public Session**
Emily Carter, Committee Chair, and Beth Zeitler, Study Director
- 10:05 am** **Establishing CCUS Clusters**
(Moderated Panel Discussion)
Martijn Verwoerd, Carbon Connect Delta/North Sea Port Cluster
Cathy Tway, Johnson Matthey
Erik Mayer, CF Industries
Matthew Rhodes, Camirus/Black Country Cluster
William Swetra, Oxy Low Carbon Ventures
Moderator: Haroun Mahgerefteh, University College London
- 11:45 am** **ADJOURN**
Committee enters closed session
- 1:00 pm** **Convene Open Session**
Welcome and Opening Remarks for Public Session
Emily Carter, Committee Chair, and Beth Zeitler, Study Director
- 1:05 pm** **Small Business Opportunities and Challenges**
(Moderated Panel Discussion)
Michele Schimpp, Small Business Administration (accepted)
Duncan Turner, HAX (accepted)
Moderator: Stephen Comello, EFI Foundation
- 2:00 pm** **ADJOURN**