



U.S. DEPARTMENT OF
ENERGY

Fossil
Energy



Workshop on Rare Earth Element and Critical Mineral Production from Domestic Coal-Based Resources

December 11, 2019

Ronald Reagan Building and International Trade Center
Horizon Room
1300 Pennsylvania Ave. NW
Washington, DC 20004

- 7:30 AM-8:00 AM **Registration**
- 8:00 AM- 8:20 AM **Welcome and Opening Remarks**
Assistant Secretary Steve Winberg, U.S. Department of Energy – Office of Fossil Energy
- 8:20 AM-8:40 AM **U.S. Government Perspectives**
Adele Ratcliff, Department of Defense
- 8:40 AM-9:30 AM **Importance of a Domestic Rare Earth Element (REE) Industry**
Representative Glenn Thompson, Pennsylvania
Representative David McKinley, West Virginia
Senator Joe Manchin, West Virginia
- 9:30 AM-10:15 AM **Overview of DOE REE and Critical Mineral (CM) Activities**
(Session Chair - Deputy Assistant Secretary Lou Hrkman, U.S. Department of Energy – Office of Fossil Energy)
Panel:
Bradley Van Gosen, U.S. Geological Survey
Mary Anne Alvin, National Energy Technology Laboratory
Helena Khazdozian, U.S. Department of Energy - Advanced Manufacturing Office
- 10:15 AM-10:45 AM **Break**
- 10:45 AM-11:00 AM **Charter for the Group**
Angelos Kokkinos, U.S. Department of Energy – Office of Fossil Energy
- 11:00 AM-12:00 PM **Technical Challenges & Solutions for Coal-Based Materials**
(Session Chair - Tom Tarka, National Energy Technology Laboratory)
Panel:
Rick Honaker, University of Kentucky
Shane Thompson, Verdant Holdings
Jon Blumenthal, Blue Line Corporation
Ryan Winburn, Rare Earth Salts
- 12:00 PM-12:45 PM **Working Lunch**

- 12:45 PM -1:45 PM **Challenges in the Development of Domestic Production Systems**
(Session Chair - Pete Rozelle, Advisor, Penn State University)
Panel:
Prakash Joshi, PSI Corp.
Steve Keim, Marshall A. Miller & Associates
Ned Mamula, Leonardo Technologies Inc.
- 1:45 PM-2:45 PM **Markets, By-Products, and Risk Reduction**
(Session Chair - Regis Conrad, U.S. Department of Energy – Office of Fossil Energy)
Panel:
Morgan Summers, National Energy Technology Laboratory
Tom Rasmussen, Defense Logistics Agency
Diana Bauer, U.S. Department of Energy – Advanced Manufacturing Office
Josh Brown, Rio Tinto
- 2:45 PM - 3:00 PM **Break**
- 3:00 PM-4:00 PM **Financing & Investor Requirements**
(Session Chair - Randall Harris, IGP Methanol)
Panel:
Clint Cox, The Anchor House
Dan McGroarty, Carmot Strategies
- 4:00 PM - 4:30 PM **Working with the DOE**
(Session Chair - Heather Quedenfeld, National Energy Technology Laboratory)
Panel:
Jeffrey Kooser, National Energy Technology Laboratory
Conner Prochaska, U.S. Department of Energy - Office of Technology Transitions
Thomas Sarkus, National Energy Technology Laboratory
- 4:30 PM-5:00 PM **Key Takeaways & Closing Remarks**
(Session Chair - Angelos Kokkinos, U.S. Department of Energy – Office of Fossil Energy)
Panel:
Regis Conrad, U.S. Department of Energy – Office of Fossil Energy
Pete Rozelle, Penn State University
Tom Tarka, National Energy Technology Laboratory
Randall Harris, IGP Methanol
- 5:05 PM **Adjourn**