

**2018 Annual Review Meeting
Rare Earth Elements (REE) Program**

8:00 AM	<p align="center">Opening Remarks - Sean Plasynski, Acting Director, National Energy Technology Laboratory, U.S. Department of Energy NETL's Competencies - Randy Gentry, Deputy Director & Chief Research Officer, National Energy Technology Laboratory, U.S. Department of Energy Administration Priorities and Fossil Energy Programs - Angelos Kokkinos, Director, Office of Advanced Fossil Technology Systems, U.S. Department of Energy</p>			
Time	Session	Organization	Title	Presenter
8:55 AM	Session 1C Moderator: Charles Miller	Rare Earth Elements Program	Introduction	Mary Anne Alvin
9:00 AM		Inventure Renewables Inc.	Recovery of Rare Earth Elements from Coal Mining Waste Materials	William Sutterlin
9:30 AM		Marshall Miller & Associates, Inc.	Production Of Salable Rare Earth Products From Coal And Coal Byproducts In The U.S. Using Advanced Separation Processes	Steven Keim
10:00 AM	BREAK			
10:30 AM	Session 2C Moderator: Anthony Zinn	National Energy Technology Laboratory	Jobs and Techno-Economic Analysis of Extraction and Separation of REEs from Coal and Coal By-Products	Morgan Summers
11:00 AM		National Energy Technology Laboratory	Sedimentary Resource Assessment Methodology	Kelly Rose
11:30 AM		Lawrence Livermore National Laboratory	Rare Earth Metal Extraction for Clean Technologies	Yongqin Jiao, Dan Flowers
12:00 PM	LUNCH BREAK			
1:00 PM	Session 3C Moderator: Charles Miller	University of Kentucky	Pilot-Scale Testing of An Integrated Circuit for the Extraction of Rare Earth Minerals and Elements from Coal and Coal By-products Using Advanced Separation Technologies	Rick Honaker
1:30 PM		Physical Sciences Inc.	High Yield and Economical Production of Rare Earth Elements from Coal Ash	Prakash Joshi
2:00 PM		University of North Dakota	Investigation of Rare Earth Element Extraction from North Dakota Coal-Related Feedstocks	Daniel Laudal
2:30 PM		West Virginia University	Recovery of Rare Earth Elements from Coal Mine Drainage	Paul Ziemkiewicz
3:00 PM	BREAK			
3:30 PM	Session 4C-1 Moderator: Mary Anne Alvin	TetraTech, University of Kentucky, West Virginia University, XLight, University of North Dakota	Field Sampling and Characterization Panel Discussion	Farley R. Wood, John "Jack" Groppo, Paul Ziemkiewicz, Robert Uhrin, Chris Zygarricke
4:30 PM	Session 4C-2 Moderator: Anthony Zinn	Virginia Tech, University of Kentucky, Research Triangle Institute, University of North Dakota, Ohio State University, University of Utah, Wayne State University, Battelle Memorial Institute, West Virginia University	Advanced New / Novel REE Separation Concepts Panel Discussion	Aaron Noble, Rick Honaker, Zachary Hendren, Bruce Folkedahl, Chin-Min Cheng, Michael Free, Timothy Dittrich, Rick Peterson, Paul Ziemkiewicz
5:30 - 7:00 PM	POSTER SESSION			