

Organized by:



Workshop on Capacity Building for Carbon Capture & Storage (CCS)

May 7-11, 2007
Sheraton Station Square
Pittsburgh, PA

Sunday, May 6, 2007

6:30 pm **Reception/Dinner for Foreign Delegates**

Monday, May 7, 2007

Welcome

8:00 am **Introductory Remarks**

Justin (Judd) Swift, Chair, CSLF Capacity Building Task Force
Deputy Assistant Secretary for International Affairs
Office of Fossil Energy, U.S. Department of Energy

Thomas Shope, Chair, CSLF
Principal Deputy Assistant Secretary
Office of Fossil Energy, U.S. Department of Energy

Part I: Overview of CCS Themes

8:15 am **Overview of Issues and Need for Carbon Management**

Dr. Jim Dooley, Senior Scientist
Joint Global Change Research Institute
Pacific Northwest National Laboratory, Battelle, USA

- Need for Carbon Management
- Portfolio of Solutions
- CCS

9:00 am **CO₂ Storage in Geological Media**

Dr. Stefan Bachu, Senior Advisor
Alberta Energy and Utilities Board, Canada

- Trapping Mechanisms
- Types of Storage Media
- Capacity Identification and Quantification

10:15 am **Break**

10:30 am **Geological Storage of CO₂: Analogues and Risk Management**

Dr. Sally Benson, Executive Director
Global Climate and Energy Project (GCEP)
Stanford University, USA

- Natural and Engineered Analogs
- Risk Management

AGENDA

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11:45 am ***Lunch***

1:00 pm **Monitoring, Measurement & Verification**
Dr. Lee Spangler, Center Director
Zero Emissions Research & Technology Center (ZERT)
Montana State University, USA

- Purpose and Need
- Technologies Available
 - Subsurface Monitoring
 - Surface/Near Surface Monitoring

2:15 pm ***Break***

2:30 pm **International Activity in Carbon Capture and Storage**
Bill Reynen, S&T Director
Clean Electric Power Generation
Natural Resources Canada, Canada

3:00 pm **Capture Technologies and Costs**
Howard Herzog, Principal Research Engineer
Laboratory for Energy & the Environment
Massachusetts Institute of Technology, USA

- Capture Technologies
- Compression
- Transportation
- Costs

4:30 pm ***Part II: Sixth Annual Meeting on CCS***
Welcome to Annual Sequestration Conference
Carl Bauer, Director
National Energy Technology Laboratory
U.S. Department of Energy

4:35 pm ***Adjourn***

6:00 pm Cocktail Reception with Dinner to follow (Exhibit Area)
Sixth Annual Conference on Carbon Capture and Sequestration
Co-Hosts: Babcock & Wilcox and Exchange Monitor Publications & Forums

Tuesday, May 8, 2007

Sixth Annual Conference on Carbon Capture and Sequestration

Wednesday, May 9, 2007

Sixth Annual Conference on Carbon Capture and Sequestration

Thursday, May 10, 2007

Sixth Annual Conference on Carbon Capture and Sequestration
(Concludes approximately 12:45 pm)

Part III: CCS Project Practicum

1:00 pm

Lunch

2:00 pm

Stakeholder Involvement/Outreach

Sarah Wade, Partner
AJW Group, USA

- Public Education
- Outreach Best Practices
- DOE's Regional Partnership Model

3:00 pm

Legal/Policy/Regulation

Jeffrey P. Price, Partner
Bluewave Resources, LLC, USA
Martin Squire, Manager, Carbon Capture and Storage Section
Department of Industry, Tourism and Resources, Australia

- Legal Issues Related to CCS
- Policy that Addresses CCS or Needs for
- Regulation
 - Permitting
- Case Study

4:00 pm

Break

4:15 pm

Economics/Costs/Financing CCS Projects

Pierre Le Thiez, Chef du Projet, CASTOR
Institut Francais du Petrole, France

- General Guidelines
- Case Studies

5:15 pm

Adjourn

Friday, May 11, 2007

- 9:00 am Transport to DOE's NETL Pittsburgh, PA Site
- 10:00 am **Overview of NETL R&D**
Dr. Anthony Cugini, Director
Office of Research and Development
National Energy Technology Laboratory, U.S. Department of Energy
- 10:30 am **Workshop Evaluation and Discussion**
Co-Moderators: *Scott Smouse*, International Coordination Team Leader
National Energy Technology Laboratory, U.S. Department of Energy
John Panek, CSLF Secretariat,
Deputy Director, Office of Clean Energy Collaboration
Office of Fossil Energy, U.S. Department of Energy
- 12:00 pm **Lunch**
- 1:00 pm Tour of NETL Facilities
- 2:30 pm **Workshop Wrap-up**
Justin (Judd) Swift, Chair, CSLF Capacity Building Task Force
Deputy Assistant Secretary for International Affairs
Office of Fossil Energy, U.S. Department of Energy
- 3:00 pm **Adjourn** - Transport to Airport/Hotel