

AGENDA (4-20-09)

Monday, May 4, 2009

1:00 **REGISTRATION OPENS/
CONFERENCE SUPPORT MATERIALS**
Partners:
GE Energy

CO2 Capture Project (CCP)
Electric Power Research Inst. (EPRI)
Spectra Energy

The Babcock and Wilcox Company
ExxonMobil
Oxand

3:30 **EXHIBIT HALL OPENS**

6:00 **WELCOME RECEPTION**

7:00 **WELCOME DINNER: THE MANY
TASTES OF PITTSBURGH**

Tonight Recognizing ...

Hydrogen Energy

Tuesday, May 5, 2009

Today Recognizing ...

Shell
ALSTOM Power
Schlumberger Carbon Services

Australian Trade Commission
ICF International
GHG Transactions & Technologies

7:00 **CONTINENTAL BREAKFAST**

8:00 **WELCOME/INTRODUCTORY
REMARKS**

Edward L. Helminski, President
EM Publications & Forums
Conference Co-Chair

Carl Bauer, Director
National Energy Technology
Laboratory, U.S. DOE; Conference
Co-Chair

8:05 **OPENING KEYNOTE PLENARY**

**Utilizing Coal for Power Generation
in a Carbon-Constrained Regime
Demands a Transparent,
Commercially Viable, Publicly
Acceptable Path Forward for Clean
Coal Technologies and CCS**

*Critical Elements of the 'Road Map'
to Succeed in Deploying CCS and
Clean Coal Technologies on a
Timetable to Comply with Proposed
Emission Reduction Regimes*

David Hawkins, Director
Climate Programs
Natural Resources Defense Council

OPEN DISCUSSION

8:30 **A Major Coal-Based Utility Assesses
the Options and Invests in Clean
Coal Technologies and CCS**

Michael Morris, CEO
American Electric Power

OPEN DISCUSSION

8:55 **The Challenge of Meeting GHG
Reduction Schemes for the Current
Fleet of Fossil Generating Plants**

Bryan Hannegan, Sr. Vice Pres.
Electric Power Research Inst. (EPRI)

OPEN DISCUSSION

9:20 **A PUC-Mandated Effort to Evaluate the
Viability of a Coal-Based Electric
Generating Facility Coupling CCS with
EOR Achieving 90% Capture**

Lewis Gillies, CEO
Hydrogen Energy Int'l. LLC

OPEN DISCUSSION

9:45 **The Role of CCS in the
Decarbonization of Power**

Amy Ericson, Vice President
Product Strategy & Marketing
Alstom Power

OPEN DISCUSSION

10:10 **COFFEE BREAK**

10:25 **Utilizing the Experience, Technology
& Existing Infrastructure of the Oil
and Gas Industry to Support the
Deployment of CCS**

MODERATOR: **John Blaney**
ICF International

John Barry, Vice President
Unconventionals and EOR, Shell Int'l
Exploration and Production

OPEN DISCUSSION

10:50 **Sherri Stuewer**, Vice President
Environmental Policy and Planning,
ExxonMobil Corporation

OPEN DISCUSSION

11:15 **The Growing Global Commitment and
Investment in CCS to Maintain the
Utilization of Fossil Fuels (Session I)**

MODERATOR: **Russell Baker**,
Austrade

*Australia Makes a Major Investment
to Support R&D for CCS*

Nick Otter, CEO
Global CCS Institute
Australia

11:40 **The European Commission
Commitment to Support R&D to
Facilitate Deployment of CCS
Technologies**

Vassilios Kougiouas
European Commission
Directorate-General for Research
Energy Conservation & Distrib. Sys

12:05 **The Growing U.S. Investment in
CCS**

(A Senior Official from U.S. DOE)

12:30 **LUNCH**

1:30 **CONCURRENT TECHNICAL
SESSIONS**

3:30 **COFFEE BREAK**

3:45 **CONCURRENT TECHNICAL
SESSIONS**

3:45 **POSTER PRESENTATIONS
PLACEMENT COMPLETE**

6:05 **CONCURRENT SESSIONS END**

6:05 **COCKTAIL RECEPTION/
POSTER SESSION BEGINS**

7:05 **POSTER SESSION ENDS
DEPART FOR EVENING EVENTS**

*... Scenic Historical River Trip—A
Pittsburgh "Cinco de Mayo" Experience*

*... A Night at the Ball Game with the
Local Citizenry*

— *Determining the Technologies and Systems Components for Commercially Viable CCS* —

Wednesday, May 6, 2009

Today Recognizing ...

Enbridge

GHG Transactions & Technologies

7:00 CONTINENTAL BREAKFAST

8:00 **The Growing Global Commitment and Investment in CCS to Maintain the Utilization of Fossil Fuels (Session II)**

Lessons Learned from IEA GHG R&D Program Supported Projects

Neil Wildgust, Project Manager
Geological Storage, IEA
Greenhouse Gas R&D Programme

8:25 **A Government-Industry Partnership to Accelerate CCS Deployment—The Canadian Effort—ASAP & Beyond**

Chuck Szmurlo, Vice President
Alternative & Emerging Energy,
Enbridge

8:50 **The Global CCS Experience to Date... A Bank of Knowledge to Draw on to Support CCS in North America**

Anthony Boer, Marketing Mgr.
Schlumberger Carbon Services

9:15 **A Perspective from the Financial/Banking Community on Supporting CCS Systems for Power Generation**

Theodore Roosevelt, IV
Barclay Capital

9:40 **A Keystone in the Deployment of CCS—Insuring the Risk**

Lindene Patton, Chief Officer
Climate Products
Zurich Financial Services

10:05 COFFEE BREAK

10:25 **The Necessity of a Federal-Industry Partnership to Develop and Deploy Innovative Fossil Fuel Burning Technologies and CCS Systems**

(A Speaker from GE)

10:45 **A Utility Moves Forward to Deploy a CCS System to Meet the Mandates of a State Carbon Reduction Regime—Southern California Edison**

Malcolm Anderson, Project Mgr.
Clean Hydrogen Power Generation
Southern California Edison

11:10 **Pennsylvania's CCS System Plans**

John Hanger, *(Acting)* Assistant
Secretary; Dept. of Environmental
Protection, The State of Pennsylvania

11:35 **Lessons Learned from the Regional Carbon Sequestration Partnerships CCS Field Projects and Supporting Activities**

MODERATOR: John Litynski, Dir.
Sequestration Division, DOE-NETL

Lessons Learned from Sequestration in Oil Fields

John Harju, Associate Director
Research, Univ. Of North Dakota
Energy and Environmental
Research Center

Lessons Learned from Sequestration in Coal Seams

Dr. George Koperna, Vice Pres.
Advanced Resources Int'l, Inc.

Lessons Learned from Sequestration in Saline Formations

Dr. Robert Finley, Director
Energy and Earth Resources
Center, Illinois States Geological
Survey

Developing a Carbon CyberInfrastructure for the United States and a Path Forward for International Efforts

Dr. Tim Carr, Marshall Miller
Chair of Geology, West Virginia
University

OPEN DISCUSSION

12:35 LUNCH

1:45 CONCURRENT TECHNICAL SESSIONS

3:45 COFFEE BREAK

4:00 CONCURRENT TECHNICAL SESSIONS

6:20 CONCURRENT SESSIONS END

6:30 COCKTAIL RECEPTION/
POSTER SESSION BEGINS

7:45 POSTER SESSION ENDS

EXHIBIT & SPONSORSHIP OPPORTUNITIES

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- Be recognized in the conference agenda and resource book;
- Have four page 'marketing' flyer in the conference resource book;
- Moderate a plenary session or a technical session*;
- Receive complimentary or reduced fee for exhibiting and free or discounted registrations*;
- Be recognized via signage publicizing the company logo/trademark, etc.

As an **exhibitor**, you receive one comp registration and a two page flyer in the participant resource book. **For details contact the Forums office at 1-800-877-303-7367 ext. 109 or email: forums@exchangemonitor.com.**

— EIGHTH ANNUAL CONFERENCE ON CARBON CAPTURE & SEQUESTRATION —

Thursday, May 7, 2009

Today Recognizing ...

GHG Transactions & Technologies

7:00 CONTINENTAL BREAKFAST

8:00 **Wyoming—A State Forges Ahead to Couple CCS with EOR and to Ensure the Utilization of Indigenous Energy Resources**

The Honorable David Freudenthal
Governor
State of Wyoming

8:30 ***The U.S.'s Evolving "Cap & Trade" Carbon Reduction Regime and How it Could Affect Deployment of Clean Coal Technologies Coupled with CCS***

M. Granger Morgan, Head
Engineering & Public Policy
Carnegie Mellon

9:00 **Steps that Could be Taken to Accelerate the Deployment of CCS Utilizing the Current State of Technology and Experience**

...Storage and Sequestration

Sally Benson, Director
Global Climate & Energy Project
Stanford University

...Capture

Howard Herzog, Chair, Organizing & Program Committees, 9th Int'l GGCTC;
Principal Research Engineer, The MIT Energy Initiative

10:00 COFFEE BREAK

10:15 **The Evolving Regulatory Framework Governing Deployment of Clean Coal Technologies**

State Public Utility Regulatory Agencies Concerns with Proposed Deployment of CCS and Clean Coal Technologies

David E. Ziegner, Commissioner
Indiana Utility Regulatory Comm.

David C. Boyd, Chairman
Minnesota Public Utilities Comm.

David L. Armstrong, Chairman
Kentucky Public Service Comm.

11:15

The Proposed and Developing Regulatory Framework for CO₂ Storage and Sequestration

MODERATOR: **John Veil**
Argonne National Laboratory

Jerry R. Fish, Attorney
Stoel River LLP
Portland, Oregon

Sean McCoy, Pro. Mgr.
Engineering & Public Policy
Carnegie Mellon University

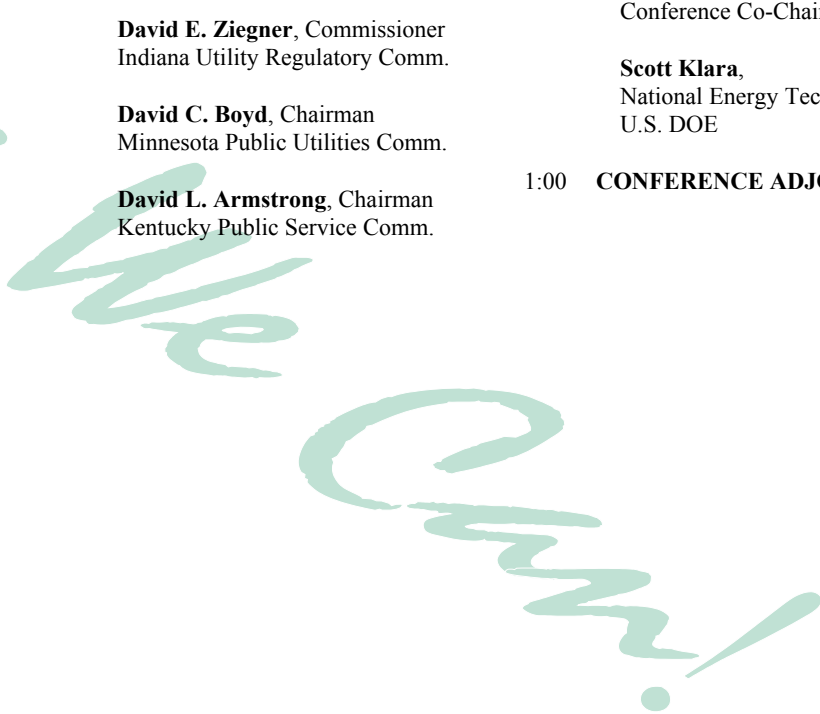
(Speakers from EPA and the World Resources Institute)

12:30 CLOSING REMARKS

Edward L. Helminski, President
EM Publications & Forums;
Conference Co-Chair

Scott Klara,
National Energy Technology Laboratory,
U.S. DOE

1:00 CONFERENCE ADJOURNS



Conference Advisors

Stefan Bachu
Alberta Research Council

Sally Benson
Stanford Univ.

Jackie Bird
WorleyParsons Group

Linda Curran
BP America Inc.

Roger Dahlman
U.S. DOE Office of Science

Heleen de Coninck
Energy Research Centre
of the Netherlands

Guido DeHoratiis
U.S. DOE-Oil and Gas
Resource Conservation

Ian Duncan
Bureau of Economic Geology,
Univ. of TX

John Gale
IEA GHG R&D Programme

Sarah M. Forbes
World Resources Inst.

Pete Hagist
Whiting Oil & Gas Co.

David Hawkins
NRDC

Eric Holdsworth
Edison Electric Inst.

Susan Hovorka
Bureau of Economic Geology,
Univ. of TX

Anhar Karimjee
U.S. EPA

Scott Klara
U.S. DOE-NETL

Chris Knepler
Australian Trade Commission

Bruce Kobelski
U.S. EPA

Tony R. Kovscek
Stanford Univ.

John Litynski
U.S. DOE-NETL

Ernie Majer
LBNL

Steve Melzer
Melzer Consulting

Tom Mikus
Shell Oil

Nancy Mohn
ALSTOM Power

Carolyn Preston
PTRC

Michael Moore
Falcon Environmental Svs.

Mike Mudd
FutureGen Alliance

Ken Nemeth
Southern States Energy Bd

Michael E. Parker
ExxonMobil Production Co.

Rajesh Pawar
LANL

Eric Peterson
Idaho Natl. Lab

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Princeton Univ.

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John Veil
Argonne Natl. Lab

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