



EUCI Presents a Conference on:

The Future of Coal Combustion Products

Sustainability, Regulation, New Markets, and Profits

July 23 – 24, 2008

Hilton Salt Lake City Center
Salt Lake City, Utah

Presentations By:

AES Corporation
American Coal Ash Association
CEMEX
Center for Applied Energy Research
Duke Energy
Environmental Protection Agency
Gypsum Parameters
Headwaters Inc.
Indiana Department of Transportation
Mettiki Coal Co/ARLP
Progress Energy
Southern Company
Stantec
University of Nevada
University of Kentucky
Utility Solid Waste Activities Group
Universal Aggregates
United States Department of
Agriculture
We Energies



Supporting Associations



Pre-Conference
Workshop:

**Issues on the
Horizon:
Mercury**

July 23, 2008

Post-Conference
Workshop:

**Carbon Options
& Forthcoming
Emissions
Standards**

July 25, 2008

The Future of Coal Combustion Products

July 23 – 24, 2008



OVERVIEW

Incorporating a sustainable and profitable use of coal combustion products (CCPs) from utilities is a primary focus for many in the electric utility industry. There are various uses being developed today for each of the four main types of CCPs.

However, some within the industry worry about the impact on quality as companies make plant changes to achieve compliance with current and incoming regulations. Others are concerned with the overall cost of ash removal.

Join EUCI as we bring together talented and creative industry experts and leaders to address these issues and more. Leave with practical information that you can use to help you manage your CCPs from cradle to grave. Network with those on the cusp of new innovations so that you can be a step ahead of your competition.

WHO SHOULD ATTEND

CCP managers and producers; utilities; government interests; military; CCP marketers; coal supply chain, including manufactures of removal, cleaning, drying, scrubbing, and transportation of coal ash; academics; construction; engineering and architectural interests; retailers; law firms; and consultants.

Testimonials from Previous CCP Conference Attendees

"A good range of topics."
Pepco Holdings Inc.

"The perfect mix of regulatory, utility, and marketing experts provides a balanced education."
Allegheny Energy

"Great selection and variety of speakers. Speakers had a wealth of information to impart."
AES Corporation

The Future of Coal Combustion Products

July 23 – 24, 2008



Program Agenda

Day1 Wednesday, July 23, 2008

12:30 - 1:00 p.m.

Registration

1:00 - 1:10 p.m.

Introduction and opening remarks from the chair

1:10 - 1:45 p.m.

How CCPs contribute to sustainability

David Goss, Executive Director
AMERICAN COAL ASH ASSOCIATION (ACAA)

- Understanding the primary markets and where to expand
- Generating interest in sustainable CCPs
- Technological considerations for the future
- How sustainable CCP management can affect your industry

Keynote

1:45 - 2:20 p.m.

Aligning the C2P2 partnership with industry goals

John Sager, Director, C2P2 Program
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

- Background of C2P2 program
- Understanding the benefit of membership and goals of the industry
- Benefiting from the C2P2 program today and in the future
- How you can assist the C2P2 program

2:20 - 2:55 p.m.

Successful incorporation of CCPs in highway & structural fills

Athar Khan, Chief Geotechnical Engineer
INDIANA DEPARTMENT OF TRANSPORTATION

- Major use of CCPs in local and national highway construction
- Compare and contrast material selection
- Cost analysis
- Transportation and logistics
- Questions and discussion

Case Study

2:55 - 3:10 p.m.

Afternoon Break

3:10 - 3:45 p.m.

Injection of alkaline flue gas desulfurization material into depleted mines

James Ashby, Manager of Environmental Affairs
METTIKI COAL / ALLIANCE RESOURCE PARTNERS

- Process development
- Scrubber impacts
- Mine pool impacts
- MDE regulatory issues
- Looking back at progress

About EUCI

EUCI is a leading provider of conferences, seminars, workshops and courses designed exclusively for the energy industry. We seek to create a forum for professional communication and exchange knowledge and ideas among energy industry professionals and others interested in the industry.

Join the thousands of others who have attended our events since 1987 and see why they keep coming back.

The Future of Coal Combustion Products

July 23 – 25, 2008

Program Agenda



Day1 Wednesday, July 23, 2008 (Continued)

3:45 - 4:20 p.m. Impacts on supply of coal combustion products
Hollis Walker, Fuel Services, SOUTHERN COMPANYY

- Coal plant retirements
- New coal plant outlook
- Next generation choices and requirements

Utility
Perspective

4:20 - 4:55 p.m. Mine placement and ecological impacts from coal combustion products: risk & profit management

*Dana Meier, Coal Combustion Products Manager
INDIANAPOLIS POWER AND LIGHT COMPANY/AES*

- Ecological impacts at CCP surface impoundment settings
- Risk of CCP placement at active/abandoned mining sites
- Monitoring strategies to detect unintended effects
- Benefits vs. risks of CCP at mining sites
- Summary of profitable methods

Utility
Perspective

4:55 - 5:00 p.m. Closing remarks

5:00 - 6:00 p.m. Networking reception

Day2 Thursday, July 24, 2008

8:00 - 8:30 a.m. Continental breakfast

8:30 - 8:45 a.m. Introduction and opening remarks from the chair

8:45 - 9:30 a.m. Wet/Dry FGD gypsum management
Cheri Miller, CEO, GYPSUM PARAMETERS

- Overview of current operations
- Forced oxidation benefit analysis
- Advanced utilization of wet FGD gypsum
- Incoming technologies

9:30 - 10:05 a.m. Agricultural use of FGD gypsum as a best management practice
Lloyd Darrell Norton, Soil Scientist, UNITED STATES DEPARTMENT OF AGRICULTURE / PURDUE UNIVERSITY

- Beneficial use
- Sustainable agriculture
- Soil erosion
- Water quality
- Soil quality

10:05 - 10:15 a.m. Morning break

Sponsorship Opportunities

Do you want to meet this powerful audience to drive new business?

For sponsors and exhibitors, this means an unparalleled opportunity to raise your profile before a manageable group of executives who make the key purchasing decisions for their businesses.

There are a wide range of sponsorship packages available which can be customized to fit your budget and marketing objectives, including:

- Cocktail Reception Host
- Lanyard Sponsor
- Networking Break Host
- Luncheon Host
- Table Top Exhibits
- Breakfast Host

Agenda Continued on Next Page

The Future of Coal Combustion Products

July 23 – 25, 2008

Program Agenda



Day2 Thursday, July 24, 2008 (Continued)

10:15 - 10:45 a.m.

An overview of We Energies' coal combustion products management program

*Bruce Ramme, Manager, Environmental Department, Land Quality
WE ENERGIES*

- Greater than 100% use of coal combustion products can be a reality
- Bottom ash makes the best base for concrete slabs on grade
- Demonstrated performance of high volume class C fly ash concrete
- FGD gypsum, a valuable mineral resource

Case Study

10:45 - 11:20 a.m.

Transportation & dredging solutions for coal ash

Don Fuller, STANTEC CORPORATION

- Rail
- Barge
- Truck
- Sluicing
- Dredging
- Future of transporting CCPs

11:20 - 11:55 a.m.

Specifications for fly ash to mitigate alkali silica reactivity for cement markets

James Hicks, Director of Technology, CEMEX

- Reacting to market opportunities
- Testing results for ASR susceptibility
- Marketing benefit analysis
- Regulations governing use
- Contrasting the different blends

11:55 a.m. -
12:30 p.m.

CCP utilization within a regulatory framework

*James Roewer, Executive Director
UTILITY SOLID WASTE ACTIVITIES GROUP*

- Understanding of US government statements and current regulations
- Which are the most active US states with legislation
- Overview of CCP regulations in the rest of the country
- Forecasting projections for CCP legislative movements

12:35 - 1:35 p.m.

Group luncheon

1:35 - 2:10 p.m.

Does radioactivity in CCPs represent a health concern?

*David Goss, Executive Director
AMERICAN COAL ASH ASSOCIATION*
*Susan Thorneloe, Senior Environmental Engineer
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY*
*James Roewer, Executive Director
UTILITY SOLID WASTE ACTIVITIES GROUP*

- Current government statements
- Media reports
- Issues with public perception
- Group discussion

Panel Debate

Agenda Continued on Next Page

The Future of Coal Combustion Products

July 23 – 25, 2008

Program Agenda



Day2 Thursday, July 24, 2008 (Continued)

2:10 - 2:45 p.m.

ACAA greenhouse gas trading task team

*John Ward, Vice President Marketing and Government Affairs
HEADWATERS RESOURCES INC.*

- CCP utilization can reduce greenhouse gas emissions
- As the US moves closer to implementing formal greenhouse gas regulations, quantifying and monetizing CCP-related reductions is becoming more important
- CCPs must address technical issues such as substitution ratios, additionally, monitoring, verification, and registration
- The industry has formed a "greenhouse gas emissions trading task team" to address these issues

2:45 - 3:20 p.m.

Coal combustion products management

Daniel Mottola, Coal Byproducts Specialist, PROGRESS ENERGY

- In the beginning
- How we specifically address the issues with CCP
- Successful marketing of CCP
- Strong reuse activities
- Conclusion

Case Study

3:20 - 3:35 p.m.

Afternoon break

3:35 - 4:10 p.m.

Duke Energy's CCP management program

Tony Mathis, Coal Ash Manager, DUKE ENERGY

- Layering procedures
- How Duke takes ownership of its CCP program
- Why incorporating a sustainable future for CCP is critical
- Where we can move progressively for the future

Case Study

4:10 - 4:45 p.m.

Incorporating CCP in sustainable architectural & engineering plans

*Keith Bargaheiser, National Manager of CCP Utilization
HEADWATERS RESOURCES INC.*

- Leading by example with deployment of CCPs in design
- Benefits of proper CCP use
- Concerns that need addressing
- How to market successfully to architectural and engineering firms
- Future projected project use

4:45 - 5:20 p.m.

Emerging profitable applications for CCPs with review of current markets

Jack Groppo, PhD, Program Manager, Research Environmental & Coal Technologies, UNIVERSITY OF KENTUCKY

- Overview of current major uses for CCPs
- Trends of future CCP generation
- Emerging commercial applications
- Super-pozzolanic additives
- Plastic fillers and composite materials
- Low CO₂ emitting, low energy cements

5:20 - 5:30 p.m.

Closing Remarks

Agenda Continued on Next Page

Pre-Conference Workshop: Issue on the Horizon - Mercury



July 23, 2008

Program Agenda

Wednesday, July 23, 2008

7:30 – 8:00 a.m. **Registration and continental breakfast**
8:00 – 11:30 a.m. **Workshop timing**

Speakers:

Susan Thorneloe, Senior Environmental Engineer
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Craig Turchi, Senior Chemical Engineer, ADA TECHNOLOGIES
Mae Gustin, PhD., Associate Professor, UNIVERSITY OF NEVADA

Mercury is just the tip of the iceberg...

Utilities across the country are burdened with a changing regulatory environment. Addressing media misinformation, consumer advocacies, and unstructured national/state regulations is adding to the cost of doing business.

In the past 3 years alone, utilities have spent billions on pollutant-control technology - yet fines are still being imposed.

Just recently, the federal appeals courts struck down the EPA regulation on mercury. How do you know if you are specifically following the national and state regulations accurately?

Catch up with EUCL at our workshop on pollutant release. Understand what air, water, and solid regulations are. Be confident that you are following the current procedures and that you know how best to mitigate major potential risks. Be prepared by knowing the rules you can operate by. This is a must-attend for anyone committed to regulatory compliance within your company.

Session overview

- What is the EPA strategy for mercury regulations?
- Should we prohibit the use of concrete containing fly ash because of potential health concerns?
- Will ash containing mercury present risks in land filling or disposal?
- Case studies of incorrect pollution-removal technologies
- How and when audits are conducted
- Evaluating the variations in water, waste, and air regulations
- Future outlook of regulations
- Questions and discussion

“It is important to recognize that the face of mercury regulations is changing rapidly.”

– US Environmental Protection Agency

Post-Conference Workshop: Carbon Options - Creating a Strong Risk Assessment

July 25, 2008

Program Agenda

Friday, July 25, 2008

7:30 - 8:00 a.m. Registration and continental breakfast

8:00 a.m. - 12:00 p.m. Workshop timing

Whichever side of the science you are on, emission standards are here today and play a critical role in the R&D of the coal industry. Learn the most recent developments in the national and global markets so you can mitigate risk and know where to invest in the coming years. With growing pressure for a green economy, capturing this critical information is essential.

Overview

- Overview of global carbon regulations and emission standard trends
- Update of the acid rain program for today's utility markets
- Current regulations from involved states and who can be next
 - Emissions reduction market system
 - Regional greenhouse gas initiative
 - Chicago climate exchange
 - California's Ab-32
 - Western climate initiative
- How the European Union Emission Trading Scheme could influence US markets
- Incorporating CO₂ emission trading into CCP management and use
- How Wal-Mart is approaching CO₂ and CCPs
- Questions and discussion



PROCEEDINGS

A copy of the conference proceedings will be distributed to attendees at the event. Extra copies of the proceedings will be available for \$395.00.

CONFERENCE LOCATION

A room block has been reserved at the Hilton Salt Lake City Center, 255 South West Temple, Salt Lake City, Utah, 84101, for the nights of July 21- 24, 2008. Room rates are \$149 single/double for guest rooms. Call 1-801-328-2000 for reservations and mention the EUCL conference to get the group rate. Make your reservations prior to May 23, 2008. There are a limited number of rooms available at the conference rate. Please make your reservations early.

The Hilton Salt Lake City Center hotel, located in the heart of downtown, is Salt Lake City's premier meeting and recreation destination. Located in the midst of Salt Lake City's entertainment and business district, the hotel is surrounded by over 60 restaurants, bars, and nightclubs.

REMEMBER, EVERY 4TH REGISTRANT IS FREE!

REGISTRATION INFORMATION

For instant registration call (201) 871-0474 or Fax Registration Form to (201) 767-1928

Register 3, Send 4th Free!!

Any organization wishing to send multiple attendees to these conferences may send 1 FREE for every 3 delegates registered. Please note that all registrations must be made at the same time to qualify.

All cancellations received on or before June 20, 2008 will be subject to a \$195 processing fee. Written cancellations received after this date will create a credit of the tuition (less processing fee) good toward any other EUCL conference or publication. This credit will be good for six months. In case of conference cancellation, Electric Utility Consultants' liability is limited to refund of the conference registration fee only. For more information regarding administrative policies such as complaint and refunds, please contact our offices at (201) 871-0474

EUCL reserves the right to alter this program without prior notice.

MAIL DIRECTLY TO:

The Power Marketing Association (PMA)
P.O. Box 2303
Falls Church, VA 22042

FAX TO:

(201) 767-1928

PHONE:

(201) 871-0474

PLEASE REGISTER THE FOLLOWING

- The Future of Coal Combustion Products Conference Plus Both Workshops, July 23-25, 2008: **\$1995**, After May 25, 2008: \$2195
- The Future of Coal Combustion Products Conference Plus 1 Workshop: **\$1595**, After May 25, 2008: \$1795
Choose One:
 - Pre-Conference Workshop
 - Post-Conference Workshop
- The Future of Coal Combustion Products Conference Only, July 23-24, 2008: **\$1195**, After May 25, 2008: \$1395
- Extra copies of the proceedings may be purchased for \$395 (add \$50 for international shipping)

ENERGIZE WEEKLY

When you sign up to "Energize Weekly" you will receive a new conference presentation each week via email on a relevant industry topic. The presentations are selected from a massive library of over 1000 current presentations that EUCL has gathered during its 21 years organizing conferences.

Sign me up for "Energize Weekly"

How did you hear about this event? (Direct email, Colleague, Media (please specify), etc.)

Name _____ Title _____
Name Preferred for Badge _____ E-Mail _____
Company _____ Telephone _____
Address _____ City _____ State _____ Zip _____

PAYMENT METHOD Please make checks payable to "PMA"

Please charge my credit card: Visa MC AMEX Security Code _____

Visa and MC cards have a 3 digit code on the signature panel on the back of the card, following the account number. American Express cards have a 4 digit code on the front of the card, above the card number.

Name on Card _____ Signature _____

Account Number _____ Exp. Date _____

Billing Address _____ Billing Zip Code _____

Or enclosed is a check for \$ _____ to cover _____ persons.

Check here if you have any dietary or accessibility needs. We will contact you for more details.