

Monday | January 31, 2011

A1 | Regulatory Update | MONDAY, 1 PM - 3 PM

Chair:
John Kinsman

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A1.1 Air Quality Regulatory Challenges for Power Generators in 2011

John Kinsman, Senior Director Environment, Edison Electric Institute

A1.2 Clean Air Act Aback

Peter Belmonte, Partner, ERM

A1.3 Compliance Challenges from the New 1-Hour National Ambient Air Quality Standards

Erwin Prater, Analyst, Sargent & Lundy, LLC and David Helm

A1.4 BACT for GHGs -- Cutting Legal Issues

Paul Gutermann, Partner and Head of Climate Change Practice, Akin Gump Strauss Hauer & Feld LLP

A1.5 Utility Perspectives on the Transport Rule

Daniel Chartier, Director Environmental Markets and Air Quality Programs, Edison Electric Institute

A1.6 Siting and Permitting a Coal-Fired EGU: How to Win the Battle and Maybe Lose the War

Scott Sinkwits, Corporate Counsel, Consumers Energy Company and Paul Collins and Miller Canfield

A2 | NSR & CAA | MONDAY, 3:30 PM - 5:30 PM

Co-Chairs:
Gary McCutchen
Steve Fine

A2.1 Recent Developments in NSR

Gary McCutchen, Principal, RTP Environmental and Gary Saini, Colin Campbell and Tom Emmel

A2.2 The Utility New Source Review Enforcement Initiative: more than a decade old and it keeps going, and going, and going.

Makram Jaber, Partner, Hunton & Williams LLP

A2.3 NAAQS: Keeping Up With The Runaway Train

Kurt Kissling, Attorney, Pepper Hamilton LLP

A2.4 GHG Emissions from a New Electricity Generating Unit: NSR and BACT Case Study

Maren Seibold, Managing Consultant, Trinity Consultants

A2.5 The 'New' Clean Air Act (and Ash and Water) and its Potential Impacts on the Industry

Steven Fine, Vice President, ICF International

A2.6 Determining PM10 and PM2.5 Emissions from Wet Cooling Towers with Variable Total Dissolved Solids

Royal Smith, Project Engineer, ERM and Toby Hanna and Jon Perry

A2.7 Technical Analysis of the Impacts of the Revised Sulfur Dioxide NAAQS on a Typical Industrialized City Using Toledo, Ohio as the Case Study.

Greg Myers, Director of Air Quality, Consumer's Energy

A2.8 Assessing Surface Impoundment Leakage Using Nano Transient Electro-Magnetic (TEM) Geophysical Survey Technology

Lee Morris, Principal Geologist, Ninyo & Moore

Tuesday | February 1, 2011

A3 | NAAQS | TUESDAY, 7:30 AM - 9:30 AM

Co-Chairs:
Robert McCann
Paul Fransoli

A3.1 Managing Risk: Issues, Implications, and Strategies to Comply with the New and Revised National Ambient Air Quality Standards

Robert McCann, Principal & Director of Air Resources, Golder Associates Inc.

A3.2 What's Next for Designations?

Gale Lea Rubrecht, Member, Jackson Kelly PLLC

A3.3 Impacts of New Air Quality Regulations on Air Monitoring Programs at Large Fossil-Fueled Electric Generating Stations

Paul Fransoli, Senior Air Quality Specialist, Redhorse Corporation and Eric Farstad

A3.4 Challenges Posed by Compliance with Short-Term NAAQS

Anand Yegnan, Senior Project Manager, ERM and John Sherwell and Mark Garrison

A3.5 Modeling Challenges to Meet the New 1 hr NOx Standard

Ken Hiltgen, Air Quality Manager, MACTEC and Andy Keeley

A3.6 NO2 1-Hour NAAQS vs. Combustion Turbine Startup/Shutdown

Thomas Pritcher, Senior Engineer, Environmental Consulting & Technology, Inc. and Joshua Ralph

A4 | NSR / BACT | TUESDAY, 10 AM - 12 PM

Co-Chairs:
Russell Bailey
Sandra Ringelstetter Ennis

A4.1 Defining the source for BACT Analyses

Russell Bailey, Principal Consultant, Trinity Consultants

A4.2 BACT Evaluation Strategies for GHGs

Joe Sullivan, Senior Managing Consultant, Trinity Consultants

A4.3 Key Air Regulatory Issues for Power Plant Licensing

Jennifer Flannery, Project Manager, ERM and Susan Gray, Julie Ross and Anand Yegnan

A4.4 What to Know When Conducting a BACT Evaluation for a Coal Fired Boiler

Justin Fickas, Managing Consultant, Trinity Consultants

A4.5 Texas Two-Step: Navigating Air Permitting of Electric Generating Units in the Wake of the TCEQ and EPA Duel

Eric Quat, Project Engineer, Zephyr Environmental Corporation

A4.6 New Source Review -Setting Up a "Compliant" Process

Sandra Ringelstetter Ennis, Vice President, NERA Economic Consulting

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A5 | NEW SOURCE REVIEW | TUESDAY, 1 PM - 3 PM
A5.1 Preparing for Plant Modification and Expansion in the 1-Hour NAAQS Era

Eric Hiser, Partner, Jorden Bischoff & Hiser, PLC

A5.2 Impacts of US EPA's Source Shutdown/Reactivation Policy in a Down Economy

Steven Wesloh, Partner, Frost Brown Todd LLC

A5.3 To Settle or Not to Settle Your New Source Review Case

Liz Williamson, Of Counsel, Winston & Strawn LLP

A5.4 NSR Litigation: Shaping Permitting Programs

Gary McCutchen, Principal, RTP Environmental and Colin Campbell and Harry Klodowski (Attorney)

A5.5 But the State Said I Could! EPA/ENGO Collateral Attacks on State NSR Applicability Determinations

Todd Palmer, Attorney, Dewitt Ross & Stevens S.C.

Co-Chairs:
Liz Williamson
Eric Hiser

A6 | CAA & REGULATORY UPDATE | TUESDAY, 3:30 PM - 5:30 PM
A6.1 Measured Versus Modeled Visibility

Gale Hoffnagle, Air Quality Consulting Practice Leader, TRC Environmental Corporation

A6.2 U.S. EPA's New NAAQS and Implementation Rules, Their Impact on Electric Power Companies and Suggestions for How to Respond

Howard Ellis, President, Enviroplan Consulting and Al Dittenhoefer, Michael Hirtler, Ganesh Srinivasan, Julia Shannon and Tanya White

A6.3 Is Once-Through Through? A Review of Regulatory and Public Challenges and Potential Solutions

Gary Baranowski, Director, Permitting and Compliance, Burns and Roe Enterprises, Inc. and Al Ferrer

A6.4 Managing NEPA Risk for Electric Power Projects

Timothy Hagerty, Member/Attorney, Frost Brown Todd LLC

A6.5 NYSDEC Multi-Pollutant Air Quality Management Plan

Robert Bielawa, Environmental Engineer II, New York State Department of Environmental Conservation

A6.6 Using Dispersion Modeling to Establish Sulfur Dioxide Nonattainment Areas for the 1-Hour National Ambient Standard: Implications and an Opposing View

Hal Robbins, President, Bison Engineering Inc.

A6.7 Power, Politics, and the Environment - Roadblocks in Florida

Lisa Ricker, Staff Scientist, Environmental Consulting & Technology, Inc. and Jude Dawson

Co-Chairs:
Gale Hoffnagle
Howard Ellis

February 2, 2011 | Wednesday

A7 | PERMITS & COMPLIANCE | WEDNESDAY, 7:30 AM - 9:30 AM
A7.1 Renewing Your Title V Permit? Are You Ready for a Petition to EPA to Object?

Jay Holloway, Partner, Winston & Strawn LLP

A7.2 Air Quality Enforcement and Compliance: A Focus on Utilities

Brady Wassom, Regulatory Specialist, Environmental Systems Corporation and Joshua Korth

A7.3 Missing Instructions: Inserting Greenhouse Gas Sources into Title V

Andrew Shroads, Regional Director, SC&A, Inc.

A7.4 Permitting Challenges Posed by the New NAAQS for PM2.5, Sulfur Dioxide and Nitrogen Dioxide

Robert Paine, Technical Director, AECOM and David Heinold

A7.5 Title V Objections -- New Methods to Challenge Past Permitting Decisions

Mark Thimke, Partner, Foley & Lardner, LLP

A7.6 Permitting Requirements for Air Quality Control Systems: More Than Just an Air Permit

Amanda Black, Project Manager, Shaw Environmental, Inc.

Co-Chairs:
Jay Holloway
Robert Paine

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& STRAWN**
LLP

A8 | PERMITTING & SITING | WEDNESDAY, 10 AM - 12 PM
A8.1 What are the rules? -- EPA "regulation" by permit, order and guidance

Kevin Finto, Partner, Hunton & Williams

A8.2 BACT vs. MACT -- Why Misinterpretation Can Cost You Money?

Jeff Jaros, Vice President, NTH Consultants, Ltd.

A8.3 Don't Call My Waste-to-Energy Facility an Incinerator!

Michael Ballenger, Manager of Consulting Services, Trinity Consultants and Melissa Dakas

A8.4 Emerging Aviation and Communication-Related Permitting Issues Associated With Conventional and Renewable Power Plant Siting

David Stein, Vice President, Siting & Licensing, CH2M HILL and John Carrier, Doug Davy, Carrie Andrews, Erin Toelke and Doug Urry

A8.5 Development and Use of Prognostic Wind Data for Air Quality Modeling Applications

Anand Yegnan, Senior Project Manager, ERM and John Sherwell, Surya Ramaswamy, Mark Garrison

A8.6 Applicability of Air Quality Rules to a Dispatchable Standby Generation Program

Eri Ottersburg, Senior Engineer, SLR International Corp and Ray Hendricks (Portland General Electric)

A8.7 No Need -- Consideration of Alternatives to Deny a PSD Permit

Steven Kohl, Partner, Warner Norcross & Judd

A8.8 Air Quality Impact Analysis in Southeast New Mexico

Pedram Shafeian, Applied Envirosolutions, Inc. and Peter G. Hyde, Phil B. Denee and Martin Godusi

Co-Chairs:
Michael Ballenger
David Stein

Monday | January 31, 2011

B1 | CEMS | MONDAY, 1 PM - 3 PM

Co-Chairs:
William Averdieck
Brian Petermann

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B1.1 Particulate CEM for Wet FGD plant

William Averdieck, Managing Director, PCME Ltd

B1.2 Tips for Successful Integration of your CEMS from a Consultant's Perspective

Brian Petermann, Manager, Air Quality Compliance Services, Segal, Inc.

B1.3 The NEW Protocol Gas Verification Program: Gases and Stack Testers

Robert Davis, Director of Utilities, Airgas Inc

B1.4 Continuous Emissions Monitoring Systems (CEMS) for Hydrogen Chloride (HCl) Gas Measurements in Coal Fired Utility Plant Stack Emissions

Gary Cacciatore, Manager, Tyco Environmental Systems and Jeff Harrington; David Dillehay (EcoChem Analytics) and Edul Chikhliwala (EcoChem Analytics)

B1.5 Re-designing your CEMS Program for Carbon Trading

Russell Berry, Project Manager, RMB Consulting & Research, Inc.

B1.6 Integration or Stand Alone Monitoring Technologies to Meet the Industrial Boiler MACT

Tim Kuiken, Western Regional Sales Manager, Cemtek Environmental and Ken Greaves

B2 | POLLUTANT MEASUREMENT | MONDAY, 3:30 PM - 5:30 PM

Co-Chairs:
Dan Kietzer
Dennis Laudal

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B2.1 SO3 CEMs in Power Plants

Dan Kietzer, Environmental Market Manager, SICK Process Automation

B2.2 Evaluation of the Variability of CMMs at Low Mercury Levels

Dennis Laudal, Senior Research Advisor, Energy & Environmental Research Center, University of North Dakota and

John Pavlish, Charles Dene, Francois Botha, Andrew Aurelio and Jeffrey Thompson

B2.3 Development of a Trace Metal (Element) Sorbent Trap Sampling Method

Nicholas Lentz, Research Scientist, Energy & Environmental Research Center, University of North Dakota and John H. Pavlish

B2.4 In Situ NOx for Ammonia Injection Grid Control Improvements

Peter DeBarber, Director, HORIBA Instruments, Inc.

B2.5 Sorbent Trap Testing for Compliance

Wendell Watson, Senior Environmental Professional, Dynergy Midwest Generation, Inc.

B2.6 Mercury Monitoring per New PS 12A with Portable Analyzer

Joseph Siperstein, President, Ohio Lumex

B2.7 Subpart OOO at Power Plants

Curtis Donatelli, Eastern Regional Manager, Compliance Assurance Associates

Tuesday | February 1, 2011

B3 | MONITORING & REPORTING | TUESDAY, 7:30 AM - 9:30 AM

Co-Chairs:
Robert Baxter
Jeff Socha

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B3.1 Is Your CEMS Data Acquisition and Handling System (DAHS) Calculating Emissions Correctly?

Eddie Al-Rayes, Managing Consultant, Trinity Consultants

B3.2 High-Speed and High-Volume Data Management for Emissions and Environmental Monitoring

Krishna Gorrepati, Head of Solution Marketing, TechniData

B3.3 Navigating the Environmental Maze with Integrated Emissions Management

David Ruger, Manager, Regulatory Compliance, Honeywell, Inc.

B3.4 Filter Diagnostics for Reducing Opacity

Robert Baxter, President, B3 Systems, Inc.

B3.5 Directional Air Pollutant Sampling

Gavin Smith, Director, Lancaster University Business Enterprises Ltd

B3.6 Realtime SO3 Measurements

Jeff Socha, Product Development Manager, Thermo Fisher Scientific and Dieter Kita

B4 | EMISSION TESTING & MONITORING | TUESDAY, 10 AM - 12 PM

Co-Chairs:
Larry Hottenstein
Rich Brown

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B4.1 Update on PM2.5 and Condensable Particulate Matter Emissions Measurement Methods

Larry Hottenstein, Partner, Environmental Resources Management

B4.2 Real Time SO-3 Monitoring, Short History, New Developments and Applications

Mark Pastore, Vice President, Clean Coal Solutions, Environmental Energy Services, Inc. and Richard Nowak

B4.3 Demonstrating Compliance with Single-Digit VOC Limits

Mannie Carpenter, Senior Engineer, JBR Environmental Consultants, Inc.

B4.4 Emissions Monitoring of THC, VOC, HCl, and other HAPS by FTIR

Sylvie Bosch-Charpenay, Senior Applications Scientist, MKS Instruments

B4.5 Measuring Mercury Speciation In Combustion Fluegas Using Modified US EPA 30B

Robert Brunette, Senior Manager & Scientist, Frontier Geosciences Inc. and Gerard Van der Jagt, Ryan Nelson and Eric Roland (RRI)

B4.6 AMESA M - Sorbent Trap Monitoring System

Rich Brown, Product Manager, Altech Environment U.S.A. and Seth Morrell

B5 | MODELING | TUESDAY, 1 PM - 3 PM
B5.1 BART Controls for NOx Emissions: Calpuff Sensitivity to Ammonia Background and Chemistry Algorithms

Robert Paine, Technical Director, AECOM and Olga Kostrova and Ivar Tombach

B5.2 Background Ammonia in the West: Its Role in the Formation of Visibility-Impairing Nitrate Particles

Ivar Tombach, Consultant, and Robert Paine

B5.3 New US EPA Air Quality Standards and Power Generating Station Emissions

Heidi Rous, Director of Air Quality, Climate Change and Acoustics, PCR Services Corporation and Everest Yan

B5.4 An Empirical Method for Modeling Short-Term and Annual NO2 Concentrations in Regulatory Models

Joseph Scire, Vice President, TRC and Milena Borissova

B5.5 Wind Tunnel Modeling Solutions for the New SO2 and NO2 NAAQS

Ron Petersen, Vice President, CPP, Inc.

B5.6 The Joint Air Toxics Assessment Project - a successful multi-jurisdictional air quality research project

Co-Chairs:

Heidi Rous

Yougen Kong

Ron Petersen

B6 | PARTICULATE MATTER & VISIBILITY | TUESDAY, 3:30 PM - 5:30 PM
B6.1 Insights from a Biomass Boiler Emission Control Study

John Hinckley, Senior Consultant, Resource Systems Group, Inc

B6.2 A Quantitative Aerosol Generator for the Calibration and Auditing of PM CEMS

Krag Petterson, Director of Technology, Cooper Environmental Services, LLC and John A. Cooper, Troy C. Pittenger,

Douglas C. Barth and Chuck Dene

B6.3 Dust Collectors as Part of Your Energy Savings

Tom Anderson, V.P. Pleated Products, Midwesco Filter Resources, Inc.

B6.4 Hybrid PM CEMS Development Update

Kevin Goohs, R&D Manager, Product Development, Thermo Fisher Scientific and Dieter Kita and John Hiss

B6.5 Performance Specification 11: The Future of Particulate Emission Monitoring

Natalie Hornsby, Report Coordinator, Weston Solutions, Inc.

B6.6 Characterization of Inorganic Particulate Materials Upstream and Downstream of a Venturi Scrubber for Three Subbituminous Coal Blends

Dennis Sisk, Student Researcher, University of North Dakota and Prasanna Seshadri, Dr. Steven Benson and

Dr. Wayne Seames

B6.7 Visible Emission Evaluation -- Coming into the Digital Age

Arthur Eberle, CEO/President, Compliance Assurance Associates, Inc

B6.8 Digital Visible Emission Measurement

Shawn Dolan, President, Virtual Technology LLC

Co-Chairs:

John Hinckley

Tom Anderson

February 2, 2011 | **Wednesday**
B7 | ADVANCED CONTROL TECHNOLOGIES | WEDNESDAY, 7:30 AM - 9:30 AM
B7.1 The Benefit of Re-Calcination for Regenerated Catalyst Longevity

Mark Ehrnschwender, Director of Business Development and Plant Services, Evonik Energy Services LLC

B7.2 Midwest Utility and Evonik Energy Services Successfully Perform Full Scale Mercury Capture Test

Philip Elliott, Project Manager, Evonik Energy Services LLC

B7.3 NeuStreamTM Ultra-compact, Advanced Gas-Liquid Contactors for Multi-Pollutant Control Systems

Eric Klein, Director of Chemical and Process Engineering, Neumann Systems Group and Jay Brasseur

B7.4 Gas-Phase Brominated PAC for ESP Performance Improvement

Ron Landreth, Technical Business Development Mgr, Albemarle Sorbent Technologies

B7.5 The Use of Polypropylene and Concrete in Flue Gas Scrubbers

Geza Zirczy, Business Development Manager, Koch Knight LLC and Klaus Vierkoetter and Thomas Gebhard

B7.6 Controlling Carbonate Buildup in Pneumatic Hydrate Injection Systems

Marty Dillon, Project Manager, ADA Environmental Solutions and Cameron Martin, Greg Filippelli and Aaron Oakley

Co-Chairs:

Mark Ehrnschwender

Ron Landreth

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B8 | CONTROL TECHNOLOGY ANALYSIS | WEDNESDAY, 10 AM - 12 PM
B8.1 Demonstrated Commercial Operation of the Noxout Ultra Urea to Ammonia Conversion Process for a SCR

Dale Pfaff, Regional Sales Manager Midwest, Fuel Tech, Inc. and Amy Strauss, City Utilities of Springfield, MO,

B8.2 Sorbacal SP - A Low Cost Solution for Effective HCl Control

Jim Dickerman, Director - FGT Applications, Lhoist North America and Melissa Sewell

B8.3 Making Limestone Slurry for FGD

Charles Alack, President, Semi-Bulk Systems, Inc.

B8.4 Emissions Equipment Improvements (SNCR)

Jeff Williams, Manager, Emerson and Whitney Morlock

B8.5 FGD Performance Improvement at Milton R. Young Station Unit 2

Katie Bland, Environmental Engineer, Burns & McDonnell and Bob Blakley and Carl Weilert; Craig Bleth and Kevin

Thomas (Minnkota Power Cooperative)

B8.6 A Holistic Approach to SO3 Control

Randy Sadler, Director of Marketing & Sales, Coalogix, Inc. and Mike Cooper, Brian Adair and Bill Betkey

Co-Chairs:

Kevin Dougherty

Randy Sadler

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Monday | January 31, 2011

C1 | MERCURY CONTROL DEMONSTRATIONS | MONDAY, 1 PM - 3 PM

Co-Chairs:
Bernhard Vosteen
Ed Bendetto
Bob Newell

C1.1 Halogens and Sulfur in Coals and their Influence on Co-benefit Mercury Capture

Bernhard Vosteen, President, Vosteen Consulting GmbH

C1.2 MHI Mercury Removal System with NH₄Cl Injection

Shintaro Honjo, Lead Research Engineer, Mitsubishi Heavy Industries America, Inc. and Keisuke Iwakura, Bill Welliver, Satoru Sugita and Yoshio Nakayama

C1.3 Optimization of Activated Carbon Addition and Comparison of Activated Carbons in Recent Fullscale Trial

Rob Nebergall, Business Manager, Norit Americas Inc.

C1.4 Evaluation of Sorbent-Based Strategies for Mercury Control at a Subbituminous Coal-Fired Plant

John Pavlish, Senior Research Advisor, Energy & Environmental Research Center, University of North Dakota and Nicholas B. Lentz, John P. Kay, Lucinda L. Hamre; Rick Mac Pherson (Grunergy Technologies USA)

C1.5 Behavior of Various Alloys in a Steam Boiler at the Ramat Hovav Facility, Using Fuel Oil Spiked with Bromide and Chloride

Mira Freiberg, Head of Research, Israel Chemicals Ltd- Industrial Products and S. Rubin, V. Atiya, J. Hershkovitz, L. Schiller and D. Itzhak

C1.6 Low Cost Multi-Pollutant Control Solutions

Tony Silva, Principal Engineer, Babcock & Wilcox and Ed Campobenedetto

Sponsored by:



C2 | ACTIVATED CARBON & CONTROL TECHNOLOGIES | MONDAY, 3:30 PM - 5:30 PM

Co-Chairs:
Nicholas Pollack
Patton Adams

C2.1 An Assessment of Finely Activated Carbon Agglomeration Using On-Line Laser Diffraction Analysis

Nicholas Pollack, Director of Business Development, Calgon Carbon Corporation and Jeff Denigris (Malvern Instruments)

C2.2 The Effect of Various Adsorbents for Hg Control in Both Laboratory and Large Scale Environments

Patton Adams, Developmental Engineer, Norit Americas Inc.

C2.3 Flue Gas Mercury Removal Using Carbon-Polymer Composite Material

X. Sean Lu, Technologist, W.L. Gore and Associates, Inc. and Zach Xu, Steve Stark, Richard Gebert, W.L. Gore & Associates, Inc.; Tom Machalek, Carl Richardson,

C2.4 Enhanced Capture of Mercury in Baghouse by Using Novel Filtration Media and Filter Design

Vishal Bansal, Principal Engineer, GE Energy and Pete Maly and Bob Taylor

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Tuesday | February 1, 2011

C3 | CONTROL TECHNOLOGIES I | TUESDAY, 7:30 AM - 9:30 AM

Co-Chairs:
Robert Crynack
Lawrence Gatton

C3.1 Setting New Standards for Air Pollution Control with Catalytic Ceramic Filters

Gary Elliott, Business Development Manager, Clear Edge GmbH

C3.2 Next Generation Wet Electrostatic Precipitators

Hardik Shah, Sr. Applications Engineer, Southern Environmental, Inc. and John Caine

C3.3 Enhanced Mercury Oxidation (EMO(tm))

Bobby Chen, Client Program Manager, The Shaw Group

C3.4 Handling Gasification Emissions with Advanced Air Pollution Controls

Bradley Ginger, Engineering Project Manager, EISENMANN Corporation

C3.5 Full Scale Demonstration Projects with the FMC NO_x and Hg Oxidation Technology Using Hydrogen Peroxide

Robert Crynack, Business Development Manager - Air, FMC Corporation and T. Holtz and J. Rovison

C3.6 Next Generation NID for PC Boilers

Lawrence Gatton, Senior Process Engineer, Alstom Power

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C4 | CONTROL TECHNOLOGIES II | TUESDAY, 10 AM - 12 PM

Co-Chairs:
Bruce Keiser
Sharon Sjoström

C4.1 Managing Mercury Air and Water Emissions

Bruce Keiser, Research Fellow, Nalco Company and John Meier, Jitendra Shah and Jinghui Vivi Lu

C4.2 Integrated MACT Compliance Planning

Sharon Sjoström, VP Technology, ADA Environmental Solutions and Michael Durham and C. Jean Bustard

C4.3 Lessons from Forty Plant-Months of "Co-Benefit" Mercury Abatement Using Existing Pollutant Control E

Jonathan Allen, Principal, Allen Analytics and Corey Tyree (Southern Company)

C4.4 Concrete-Friendly C-PAC - Commercial Use and Ash Analyses

Daryl Lipscomb, Commercial Development Manager, Albemarle Sorbent Technologies

C4.5 High Performance SO₃ Removal with Dry Sorbent Injection

Jon Norman, Sales and Technology Manager, United Conveyor Corporation

C4.6 Mercury Control Utilizing the Chem-Mod Process

George Kotch, Operations Manager, Chem-Mod, LLC and Sally Wasikowski; Jay Gunderson (EERC)

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C5 | HAPS / MACT | TUESDAY, 1 PM - 3 PM
C5.1 Selenium Removal Across Wet FGD Scrubber

Constance Senior, Manager, Engineering R&D, Reaction Engineering International and Corey A. Tyree

C5.2 Power Plant HAPs Modeling at Regional Scales

Krish Vijayaraghavan, Senior Manager, Environ International Corporation and Prakash Karamchandani, Ralph E. Morris and Leonard Levin

C5.3 Hot Gas Cleaning of PM, SO_x, NO_x, Hg

Kevin Moss, Business Development Director, Tri-Mer Corporation and Rod Gravley

C5.4 Data Mining in the Utility MACT ICR Database

Carl Weilert, Principal APC Engineer, Burns & McDonnell

C5.5 Using FTIR Measurement Technology for Ammonia Slip Applications

Jacques Bourbonnais, General Manager, Gasmet Technologies Inc. and Simo Valling and Jim Cornish

Co-Chairs:
Constance Senior
Krish Vijayaraghavan

C6 | MACT POLICY | TUESDAY, 3:30 PM - 5:30 PM
C6.1 The Utility MACT Rule: An Industry Perspective

Michael Rossler, Manager, Environmental Programs, EEI

C6.2 Combustion MACT Standards Update

Carrie Yonley, Vice President, Schreiber, Yonley & Associates

C6.3 New Environmental Regulations for Cement Industry

John Kline, VP Technical Expertise, Lafarge

C6.4 HAP Insights from the Utility ICR Database

Sid Nelson Jr., Director New Business Development, Albemarle Corporation

C6.5 Projection of Final EPA Utility MACT Requirements...

Karl Wilber, General Manager, Tekran Instruments Corporation

C6.6 Energy Efficiency as a Regulatory Requirement

Kristine Baranski, Project Engineer, Cardinal Engineering, Inc.

Co-Chairs:
Carrie Yonley
Sid Nelson, Jr.

Sponsored by:



February 2, 2011 | Wednesday

C7 | MERCURY / HAPS POLICY | WEDNESDAY, 7:30 AM - 9:30 PM
C7.1 Strategies and Costs of Compliance with the Engine NESHAPS

William Stark, Senior Consultant, R. W. Beck, a Science Applications International Corporation Company

C7.2 Reducing Mercury Treatment Costs With Second Generation Activated Carbon Sorbents

Nicholas Pollack, Director of Business Development, Calgon Carbon Corporation

C7.3 Mercury Oxidation Across SCR Catalysts in Coal-fired Power Plants

Mike Mattes, Executive Vice President, CoalLogix and Mike Cooper, Randy Sadler and Brian Adair

C7.4 Update on UNEP Coal Combustion Partnership Area Activities

Brent Hall, Department Manager, Arcadis and Wojciech Jozewicz

C7.5 Biosorbents for Sequestering Mercury

Sam Li, Professor, NUS

C7.6 Differential Electrostatic Precipitation of Powdered Mercury Sorbents and Fluorescence Imaging of Trace Gas Adsorption within a Lab-Scale ESP

Herek Clack, Associate Professor, Illinois Institute of Technology and Taehoon Kim, Yasmin Khakpour and Vinit Prabhu

Co-Chairs:
William Stark
Mike Mattes

C8 | DRY SORBENT INJECTION | WEDNESDAY, 10 AM - 12 PM
C8.1 Reaction Control Equipment Principles for Optimal PAC Injection

Jon Miller, Engineering Supervisor, Albemarle Sorbent Technologies

C8.2 FMC/Shaw's Multi-Pollutants Control (NO_x, SO_x, HCl, Hg, Mteals, VOC's) at Post Combustion

Michael Brubaker, Commercial Development Manager, FMC Alkali Chemicals, Inc. and Bobby Chen (Shaw)

C8.3 The Effect of Sorbent Injection on ESP Performance

Michael Widico, VP Business Development, Lodge Cottrell, Inc. and Robert Mastropietro

C8.4 Full Scale Demonstration of Furnace Sorbent Injection For Simultaneous Capture of SO₂ and Mercury in a Tangentially Fired Boiler

Antonio Marquez, Senior Performance Engineer, GE Energy and Santosh Nareddy, Pete Maly, David Moyeda, Mike Booth and Wei Zhou

C8.5 Dynamic Control of Hydrated Lime Injection for Optimizing Stack Opacity

Charles Lockert, Vice President, Business Development, Breen Energy Solutions

C8.6 Comparison of Aerodynamic versus Ultrasonic Deagglomeration of Powdered Mercury Sorbents

Herek Clack, Associate Professor, Illinois Institute of Technology and Kevin Ammigan and Ramsay Chang

Co-Chairs:
Antonio Marquez
Charles Lockert

Monday | January 31, 2011

D1 | US CLIMATE POLICY | MONDAY, 1 PM - 3 PM

Co-Chairs:
Linda Whelan
Andy Van Horn

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D1.1 The Fight for Climate Action Continues...the Outlook for Alternative Approaches
Linda Whelan, Senior Director, Energy & Environment Policy, Dynegy
D1.2 Why "Cap-and-Trade" GHG Legislation Failed in the U.S. and What to Do About It
Andy Van Horn, Managing Director, Van Horn Consulting
D1.3 Oh What a Difference A Year Makes: Climate Change Legislation 2009-2010
Joseph Stanko, Partner, Hunton & Williams, LLP
D1.4 US GHG Regulation - Now What?
Joel Bluestein, Senior Vice President, ICF International
D1.5 Innovation to Infrastructure: Clean Energy without Cap and Trade
Lewis Milford, President, Clean Energy Group and Jessica Morey

D2 | EPA CLIMATE REGULATION | MONDAY, 3:30 PM - 5:30 PM

Co-Chairs:
Roger Martella
Allison Wood

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D2.1 EPA's Greenhouse Gas Regulatory Regime for Stationary Sources
Roger Martella, Partner, Sidley Austin
D2.2 Will EPA Drive Carbon Policy and Clean Air Implementation?
Dave Tripp, Partner, Stinson Morrison Hecker LLP and Sarah Sullivan
D2.3 Katrina to Kivalina: Climate Change Nuisance Litigation
Allison Wood, Partner, Hunton & Williams LLP
D2.4 Locomotive Emission Controls: EPA's Tier 4 2015 Requirements
Steven Olmsted, Principal Partner, Antimony Green Inc.

Tuesday | February 1, 2011

D3 | ECONOMIC IMPACTS & ENERGY SECURITY | TUESDAY, 7:30 AM - 9:30 AM

Co-Chairs:
Stephen Eule
Bryan Hannegan

Sponsored by:



D3.1 Index of US Energy Security Risk
Stephen Eule, VP Climate & Technology, Institute For 21st Century Energy and Daniel Klein
D3.2 Measuring and Attaining Energy Security in OECD Economies
Fred Joutz, Professor of Economics, George Washington University and Prakash Loungani and Gail Cohen
D3.3 Prism 2.0: Preliminary Insights from EPRI's Regional Model
Bryan Hannegan, Vice President, Environment and Renewables, Electric Power Research Institute
D3.4 Energy Cost Impacts on American Families
Eugene Trisko, Attorney At Law
D3.5 The Potential of Nuclear Energy for Reducing Petroleum Consumption and Greenhouse Gas Emissions in the Transportation Sector
James O'Brien, Senior Research Engineer, Idaho National Laboratory and G. L. Hawkes

D4 | CLIMATE POLICY & ENERGY SUSTAINABILITY | TUESDAY, 10 AM - 12 PM

Chair:
James Conca

Sponsored by:



D4.1 The Ethics of a Just and Sustainable Energy Distribution
Judith Wright, President, UFA Ventures, Inc. and James Conca
D4.2 Historic, Current and Projected Energy Use in the United States
Mitchell Baer, Director, Office Of Oil And Gas Analysis, U.S. Department of Energy
D4.3 The Mission of the Department of Energy's Office of Nuclear Energy
Peter Lyons, Acting Assistant Secretary of Nuclear Energy, Department of Energy
D4.4
Todd Foley, Senior VP of Policy and Government Relations, American Council On Renewable Energy
D4.5 How Can Utilities Produce Cleaner Energy in the Southeast U.S.?
Dan Stout, Senior Manager, Government Affairs And Nuclear Fuel Projects, Tennessee Valley Authority
D4.6 The GeoPolitics of Energy: Achieving a Just and Sustainable Energy Distribution by 2040
James Conca, Director WSCF Labs, RJ LeeGroup, Inc.

D5 | CLIMATE INTERNATIONAL | TUESDAY, 1 PM - 3 PM

D5.1 UK Know-How in Leading the Transition to a Low Carbon Economy

Michael Rosenfeld, Vice Consul - USA Clean Technology Sector Lead Officer, UK Trade & Investment

D5.2 Potential Impact of Consumer Behaviour and Fossil Fuelled Hydrogen Generation on National Energy Policy in New Zealand

Jonathan Leaver, Associate Professor, Unitec New Zealand and Luke Leaver

D5.3 Update on Carbon & Energy Regulation in Quebec

Mustapha Ouyed, Climate Change Projects Director, Golder Associates

D5.4 Regional Climate Policy Developments in Canada and their Trade and Competitiveness Impacts on the Canadian and US Electricity Sector

Lisa Demarco, Partner, Macleod Dixon LLP

D5.5 Managing Carbon Emissions - Policy for the US and EU to Lead the World

Stephen Sewalk, Law Student, University of Denver

Co-Chairs:
Michael Rosenfeld
Jonathan Leaver

D6 | ENERGY POLICY & REGIONAL CLIMATE INITIATIVES | TUESDAY, 3:30 PM - 5:30 PM

D6.1 The Future of U.S. Energy Policy

Elias Hinckley, Partner, Kilpatrick Townsend & Stockton LLP

D6.2 Changing the Conversation for Renewable Energy Policy Strategy

Charles Brettell, Principal, Energy Asset Advisors, LLC

D6.3 Climate Policy in Washington and the Future of Market Mechanisms

David Hunter, US Director, International Emissions Trading Association and Hannah Mellman

D6.4 Legislation that Matters: The Aftermath of AB 32

Greg Gasperecz, VP Environmental Health & Safety, Enviance, Inc.

D6.5 Climate Change Initiatives Impacting the Energy Sector: Insights from California

Rick Shih, Senior Air Quality Engineer, ERM

D6.6 Greenhouse Gas Reduction in the Port & Freight Transportation Sector

Luis Cabrales, Deputy Director of Campaigns, Coalition For Clean Air and Monique Lopez and Martin Schlageter

Co-Chairs:
David Hunter
Greg Gasperecz

Sponsored by:



February 2, 2011 | **Wednesday**

D7 | NUCLEAR POWER POLICY | WEDNESDAY, 7:30 AM - 9:30 AM

D7.1 America's Nuclear Future: Can We Build It? Yes We Can

James Stouch, Vice President, Business Development, Precision Custom Components, LLC

D7.2 Licensing a New Nuclear Power Plant

Jennifer Flannery, Project Manager, ERM and Susan Gray and Julie Ross

D7.3 Issues Related to Compliance with NEPA Requirements for Licensing a New Nuclear Power Plant in the United States

Alice Carson, Senior Licensing Specialist, Bechtel Power Corporation and Ping Wan

D7.4 Spatial Analysis of Landfalling Hurricane Windspeeds

Eric Powell, Environmental Scientist, Bechtel Power Corporation and Steve Weinbeck and Yijun Lin

D7.5 Developing a Modern Workforce for the New Nuclear Renaissance

Kevin Cooper, Director Advanced Technology, Indian River State College and Jose Farinos

Co-Chairs:
James Stouch
Alice Carson

D8 | STATE & REGIONAL CLIMATE INITIATIVES | WEDNESDAY, 10 AM - 12 PM

D8.1 Update on Regional Greenhouse Gas Initiatives

Bill Jamieson, Principal, Ninyo & Moore

D8.2 How Regional and State Based Carbon Markets Pick Up Where Federal Left Off

Gregory Arnold, Managing Member, CE2 Capital Partners

D8.3 Opportunities and Barriers to Implementing a Carbon Market in Western U.S. States

Brendan Cook, Sustainability Director, EcoAid

D8.4 Assessing the Regional Impacts of the Midwestern GHG Accord

Juanita Haydel, Senior Vice President, ICF International and Dr. Bansari Saha

D8.5 Air Energy Integration Assessment in Regional Scale - A Case Study in Illinois

Arijit Pakrasi, Client Program Manager, Shaw Environmental, Inc. and Dave Baker, Jon Dierkin, Erin Daughon, Catalina Lamadrid and Amber Isaac

D8.6 Modeling and Forecasting Residential Energy Consumption in the U.S. Mountain Region

Jason Jorgensen, PhD Student, George Washington University and Fred Joutz

Co-Chairs:
Bill Jamieson
Gregory Arnold

Monday | January 31, 2011

E1 | PV & CPV TECHNOLOGIES | MONDAY, 1 PM - 3 PM

Co-Chairs:
Nancy Hartsoch
Wolfgang Fritz

E1.1 Big Solar, Small Footprint

Nancy Hartsoch, VP Marketing and Sales, SolFocus and Kelly Desy

E1.2 Optimization and Installation of Solar PV facilities

Wolfgang Fritz, Vice President of Engineering, Schletter Inc.

E1.3 Integrated Hydride-based Storage System and Photovoltaic Solar Power Generator

George Miley, Professor, University of Illinois and Nie Luo

E1.4 Photovoltaic Industry – An Overview of EHS Considerations – From Manufacturing to Feeding the Utility Grid

Andrew McIntyre, Managing Principal & Co-Founder, Environmental & Occupational Risk Management, Inc.

E1.5 CSP, CPV, Crystalline or Thin Film PV, Which is Better Suited to Large Scale Solar?

Paula Mints, Director of Energy, Navigant Consulting

E1.6 Evaluation of the Outdoor Performance of Amorphous and Thin Film Modules in Kuwait Considering the Series and Shunt Resistance

Ahmad Alhasan, Associate Professor, College of Technological Studies

Sponsored by:



E2 | SOLAR & EV-PHEV | MONDAY, 3:30 PM - 5:30 PM

Co-Chairs:
Aron Dobos
Gill Eapen

E2.1 Solar Advisor Model Tool

Aron Dobos, Energy Modeling Engineer, National Renewable Energy Laboratory and Nate Blair

E2.2 Grid-Scale Solar Power Projects

Peter Mostow, Member, Wilson Sonsini Goodrich & Rosati

E2.3 Economic Valuation of Solar Energy Production Facilities

Gill Eapen, VP, Charles River Associates

E2.4 Introducing eStar: The All-Electric Commercial Vehicle from Navistar

Mark Aubry, Vice President, Sales, Navistar, Inc.

E2.5 Getting Ready for the EV Revolution: Best Practices in Infrastructure Development

Jordan Ramer, CEO, EV Connect

E2.6 Hybrid Technology: A Viable Solution for Commercial Vehicles

Dimitri Kazarinoff, Vice President and General Manager of The Hybrid Power Systems Division in the Vehicle Group, Eaton Corp.

Sponsored by:



Tuesday | February 1, 2011

E3 | SOLAR PERMITTING & FEASIBILITY | TUESDAY, 7:30 AM - 9:30 AM

Co-Chairs:
Greg Odegard
Susan Lee

E3.1 High Penetration PV Initiative

Ron Davis, Principal Consultant, BEW Engineering and Dora Nakafuji and Elaine Sison-Lebrilla

E3.2 Permitting Realities for Utility-Scale Solar Power

Peter Weiner, Partner, Paul Hastings

E3.3 Permitting New Solar Projects in California

Greg Odegard, Director of Environment & Health & Safety, Terra-Gen Operating Company

E3.4 Environmental Lessons Learned from California's First Generation Utility Scale Solar Projects

Susan Lee, Vice President, Aspen Environmental Group

E3.5 Solar Rooftop Optimization Tool and Case Studies

Ian Metzger, Engineer, National Renewable Energy Laboratory and Lars Lisell and Jesse Dean

E3.6 How Does Thermal Storage for CSP Affect the Environment?

Sharon Wagner, Doctoral Candidate, Carnegie Mellon University

E4 | SOLAR PROJECTS & STRATEGIES | TUESDAY, 10 AM - 12 PM

Co-Chairs:
Brian Keane
Sara Head

E4.1 The Arizona Solar Challenge: Boosting Solar Through Community Outreach

Brian Keane, President, SmartPower

E4.2 Clean Energy Patents

David Miranda, Partner, Heslin Rothenberg Farley & Mesiti PC

E4.3 Solar Energy's Dirty Secrets - An Owner's Perspective

Joel Southall, Director of Environmental Affairs, Xanterra Parks and Resorts

E4.4 Permitting Solar Energy Projects, Lessons Learned

Sara Head, Vice President, AECOM and Mark Luttrell

E4.5 Textiles - New Flexible Substrates for Photovoltaics

Klaus Opwis, Head of Working Group "Photovoltaics", Deutsches Textilforschungszentrum Nord-West E.V.

E4.6 Marketing Your Business

Chris Reich, Business Physicist, Amtec Solar/Teachu

E5 | WIND DEVELOPMENT | TUESDAY, 1 PM - 3 PM
E5.1 Limits to Wind in a Low Carbon Future

Victor Niemeyer, Technical Executive, Electric Power Research Institute

E5.2 Wind Power Market Developments

Mary Jane Parks, Principal, Local Energy Associates and Guy Nelson

E5.3 The Economic Potential of Wind Power Across the Territory, in Terceira Island

Ana Rodrigues, Researcher, Azores University and Tomaz Dentinho, Carlos Silva and Emanuel Barcelos

E5.4 Performance and Failure Analysis of a Wind Farm

Selvarasan Iniyar, Professor & Director, Anna University and Herbert Joselin, L. Suganthi and Ranko Goic

Co-Chairs:
Victor Niemeyer
Mary Jane Parks

Sponsored by:


E6 | WIND TECHNOLOGY | TUESDAY, 3 PM - 5:30 PM
E6.1 Offshore Wind Development Regulatory Process and State by State Update of Leasing Activities

Al Pless, Project Coordinator, Bureau of Ocean Energy Management Regulation and Enforcement

E6.2 Basic Wind Tower Safety

Gil Truesdale, National Accounts, Orr Safety and Ted Buck

E6.3 Building the Best Turbine for our Customers, One Part at a Time

Scott Baron, Global Product Line Director, ACCIONA Windpower North America

Co-Chairs:
Scott Baron

February 2, 2011 | **Wednesday**

E7 | WIND DEVELOPMENT & SITING | WEDNESDAY, 7:30 AM - 9:30 AM
E7.1 Evaluating Noise Impacts from Wind Power Projects

Kenneth Kaliski, Director, RSG and Eddie Duncan

E7.2 Lightning Protection of Wind Turbines

Arnold Offner, Product Marketing Manager, Phoenix Contact, Inc. and Michael Nager

E7.3 Regulatory Requirements for Wildlife Studies at Wind Energy Sites in Ten Northeastern and Three Western States

Robert Blye, Vice President, Normandeau Associates, Inc. and Gary Alt, Sarah Barnum, Kent Snyder and Jeff Simmons

E7.4 Bridging the Financing Gap in 2nd-Gen North American Wind Deals

Chris Elrod, Principal, Energy Asset Advisors, LLC

Co-Chairs:
Kenneth Kaliski

E8 | CONTROL & MEASUREMENT SYSTEM DESIGN | WEDNESDAY, 10 AM - 12 PM
E8.1 Moisture & Trona - What is Really Important

Heidi Davidson, Technical Development Engineer, Solvay Chemicals, Inc. and Dave Smith and Jim Phillip

E8.2 A Numerical Model for SO₃ Removal by In-duct Dry Sorbent Injection

Liming Shi, Staff Scientist, Nalco Mobotec and Guisu Liu, Li Yan, Jianwei Yuan, Brian Higgins and Lewis Benson

E8.3 On-site Determination of the Quality of Commercial Sorbents for the Removal of Mercury from Combustion and Process Gas Streams

Robert Huston, Western Regional Sales Manager, ADA Carbon Solutions and Justin McNeill (ADA Environmental Solutions), Ken Baldrey (ADA Environmental Solutions), Sharon Sjostrom (ADA Environmental Solutions) and Joseph Siperstein (Ohio Lumex)

E8.4 Feasibility of Using the CES Xact Multi-Metals CEMS as a Mercury Monitor On Coal-Fired Power Plants

Krag Petterson, Director of Technology, Cooper Environmental Services, LLC and John A. Cooper, Troy C. Pittenger and Douglas C. Barth

E8.5 Technological Advances in Mercury CEM

Dan Kietzer, Environmental Market Manager, SICK Process Automation

E8.6 Dry Sorbent Injection Portable System

Jerry VanDerWerff, National Sales Manager, Sorb-N-Ject Technology, Nol-Tec Systems and Dave Anderson, Randy Coe

Co-Chairs:
Heidi Davidson
Yougen Kong
Liming Shi

Sponsored by:



Monday | January 31, 2011

F1 | KYOTO & CARBON MARKETS | MONDAY, 1 PM - 3 PM

Co-Chairs:
Doug Huxley
Prabhu Dayal

Sponsored by:

**F1.1 Towards the Next Phase for Global Carbon Markets**

Olof Bystrom, Team Lead, Project Assessments, UNFCCC

F1.2 Development of Clean Development (CDM) Projects for Certified Emission Reduction (CER) Credits

Prabhu Dayal, President, CTrade

F1.3 Opportunities and Challenges of Sector-Based GHG Emissions Offsets

Adam Diamant, Senior Project Manager, Electric Power Research Institute

F1.4 Capturing Carbon Market Value from Coastal Wetland Protection and Restoration in Louisiana

Doug Huxley, Climate Change Services Practice Leader, CH2M HILL and Matthew Wilson (CH2M HILL), and Jerome Zeringue (Louisiana OCPR)

F1.5 Integration of World Carbon Markets

Tajinder Pal Singh, PhD Student, University of Toronto and Shashi Kant

F2 | FINANCE & FINANCIAL MARKETS | MONDAY, 3:30 PM - 5:30 PM

Co-Chairs:
Kevin Fiur
Tauna Szymanski

F2.1 The Secondary Market for Intellectual Property in the Energy and Environment Sectors

Kevin Fiur, Senior Vice President, ICAP Ocean Tomo

F2.2 How Financial Reform Impacts the Carbon and REC Markets

Tauna Szymanski, Senior Associate, Hunton & Williams LLP

F2.3 Investment Community Participation in the New GHG Constrained Financial Markets

Nedia Miller, Founder, Miller CTA

F2.4 Forest Plantation Review Service: A Tool for Investors

Marcelo Levy, Development of Services/Forest Products, SGS - Agricultural Services

F2.5 Carbon Regulations and Firm Competitiveness: An Empirical Study

Valur Aegisson, Graduate Student, Masdar Institute and Dr. Itsung Tsai and Dr. Zhanna Kapsalyamova

Tuesday | February 1, 2011

F3 | TRADING & OFFSETS | TUESDAY, 7:30 AM - 9:30 AM

Co-Chairs:
Kevin Johnson
Jeff King

F3.1 Corporate GHG Strategy and Integration of Carbon Offset Project Risks/Quality Assessment

Kevin Johnson, Vice-President, Cventure LLC

F3.2 Use of Thermal Oxidation to Produce Carbon Offsets: First U.S. Full-Scale Abatement System for Coal Mine Ventilation Air Methane

Jim Stone, Senior Key Account Manager, Durr Systems, Inc.

F3.3 Marketing Carbon for Green Gas Programs

Alden Hathaway, SVP Business Development, Sterling Planet

F3.4 Environmental Markets Trading

Jeff King, Managing Director and Head, Environmental Markets, Scotia Capital

F3.5 Carbon Offsets in America

Scott Nissenbaum, President, Finite Carbon Corporation and Sean Carney

F4 | MANAGING RISK | TUESDAY, 10 AM - 12 PM

Co-Chairs:
Florent Cadoux
Lawrence Goldenhersh

Sponsored by:

**F4.1 Artelys Risk Manager: a Mid-Term Asset Valuation and Risk Management Software Platform for the Energy Sector**

Florent Cadoux, Vice President, Artelys Corp and Arnaud Renaud, Natanel Sadres

F4.2 The Energy and Resource Optimization Imperative: Driving Efficiency, Creating Value

Joel Riciputi, Vice President of Marketing, Hara

F4.3 The Dawn of Green Collar Crime? Measuring the Impact of Envirofinance on Corporate Governance

Lawrence Goldenhersh, President & CEO, Enviance, Inc.

F4.4 An Enterprise Risk Management Approach to Carbon Risk and Performance Management

John Fillo, Senior Engineer, Sentech, Inc.

F5 | CARBON MANAGEMENT SYSTEMS | TUESDAY, 1 PM - 3 PM
F5.1 Controlling Your Carbon Emissions Before They Control You: A Roadmap for Enterprise GHG Management

Joseph Aamidor, Carbon Product Manager, Enablon North America

F5.2 The Hidden Role of Enterprise Applications in Managing for Sustainability

Warren Wilson, Senior Analyst, IT and Sustainability, Ovum Inc.

F5.3 Leveraging Climate Networks for Rapid Assessment of Impacts

Margery Moore, Director of EHS Strategic Alliances, BNA

F5.4 Achieving Sustainability in the Age of Carbon Consciousness

Joseph Aamidor, Carbon Product Manager, Enablon North America and Philippe Tesler

Co-Chairs:
Joseph Aamidor
Margery Moore

Sponsored by:


F6 | CCS - DEMOS, ECONOMICS & RISK | TUESDAY, 3:30 PM - 5:30 PM
F6.1 The Carbon Capture Market: What Is the Real Potential?

Kevin O'Brien, CEO, Energy Commercialization and Will Johnson, Daryl-Lynn Roberts and Jose Figueroa

F6.2 Reducing CO2 Capture Costs by Utilizing Modular CO2 Capture Plant Design

Jeff Allison, Senior Vice President, HTC Purenergy Inc.

F6.3 Feasible Business Models for Carbon Capture and Storage

Doug Hermann, VP, AECOM

F6.4 The Plains CO2 Reduction (PCOR) Partnership: Ongoing Carbon Management Activities in the Interior Plains of North America

Wesley Peck, Research Scientist, Energy & Environmental Research Center and John Harju, Katherine Anagnost, Lisa Botnen, Daniel Daly, Charles Gorecki and Ed Steadman

F6.5 The Development of a Demonstration One-Million Tonne Carbon Sequestration Test at Decatur, Illinois

Dwight Peters, North America Business Manager, Schlumberger Carbon Services and Robert Finley (Illinois State Geological Survey)

F6.6 Compulsory Unitization and Pooling as a Mechanism for Reducing the Transactional Costs of CCS Deployment

Kevin Doran, Professor, University of Colorado at Boulder and Angela Cifor

F6.7 EOR as the Bridge to Commercialization of CCS

Janine Whitken, Principal Project Manager, Ecology & Environment and Alan Noell

Co-Chairs:
Kevin O'Brien
Jeff Allison

Sponsored by:


February 2, 2011 | Wednesday
F7 | CCS - CO2 CAPTURE | WEDNESDAY, 7:30 AM - 9:30 AM
F7.1 DOE and NETL's Carbon Capture R&D Program

Timothy Fout, Project Manager, US DOE/ NETL and Jared Ciferno and Lynn Brickett

F7.2 A Solid Retrofit Approach for Capturing CO2: Pilot Testing and Equipment Update

Holly Krutka, Research Scientist, ADA Environmental Solutions and Sharon Sjoström, Tom Campbell, Travis Starns, David Cameron (Stantec) and Mike Richard (Stantec)

F7.3 Carbon Capture Ready Feasibility Case Study for new build CCGT, UK

Richard Lowe, Associate Director, URS Corporation Ltd and Johnny Johnson

F7.4 Impact of Coal Fired Power Plant Dynamics on Advanced Amine Carbon Capture

Naresh Handagama, Technology Manager/Principal Engineer, Alstom Power Inc. and Rasesh Kotdawala, Vikram Shabde, Larry Czarnecki and Craig N. Schubert

F7.5 MHI's KM-CDR™ Post-Combustion CO2 Capture – Process Overview and Project Update

Takahito Yonekawa, Mitsubishi Heavy Industries America, Inc. and Steven Holton

F7.6 Plant-Specific GIS Analysis of the CCS Retrofit Opportunity for the Existing Coal-Fired Fleet

Chris Nichols, Analyst, National Energy Technology Laboratory

Co-Chairs:
Timothy Fout
Richard Lowe

Sponsored by:


F8 | CCS - TECHNOLOGIES | WEDNESDAY, 10 AM - 12 PM
F8.1 Measurement of Heat-Stable Salts and Amine Degradation Products in Amine CO2 Scrubber Solutions

Brandon Pavlish, Research Scientist, Energy & Environmental Research Center and Alexander Azenkeng and Nicholas Lentz

F8.2 Water Swing Study for CO2 Capture from Ambient Air

Tao Wang, Postdoctoral Research Scientist, Lenfest Center for Sustainable Energy and Klaus Lackner & Allen Wright

F8.3 Advanced Measurement Techniques for Characterizing Today's Most Promising Carbon Capture and Sequestration Materials

Steve Karim, Business Development Manager, Setaram and Karl Gross, Andre Levchenko and Emmanuel Wirth

F8.4 Pressurized Oxidation: Advanced Carbon Capture Technology

Dennis Cossey, Executive Chairman, ThermoEnergy Corporation

F8.5 Oxy-Fired Flue-Gas Recycle Pilot-Plant Demonstration

Thomas Gale, Power Systems Research Manager, Southern Research Institute and John T. Cover and Timothy Fout

F8.6 Status of the Chilled Ammonia Technology Development Program

Fred Kozak, Cap Product Development Manager, Alstom and V. Telikapalli

Co-Chairs:
Brandon Pavlish
Thomas Gale

Monday | January 31, 2011

G1 | CARBON FOOTPRINTS | MONDAY, 1 PM - 3 PM

Co-Chairs:
Christoph Meinrenken
Jennifer Kaminski

Sponsored by:


G1.1 Fast Carbon Footprinting for Products and Services of Large Companies

Christoph Meinrenken, Research Fellow, Lenfest Center For Sustainable Energy and Klaus S. Lackner

G1.2 Corporate GHG Strategy, Challenges and Business Integration

Michal Pelzig, Manager, Sustainability Reporting, Hess Corporation

G1.3 Reducing Golf's Carbon Footprint

Andrew Staples, President, The Golf Resource Group and Dr. Stuart Cohen

G1.4 Carbon Footprinting

Jennifer Kaminski, Outreach Manager, The Climate Registry


G2 | PLANNING FOR GHG REGULATIONS | MONDAY, 3:30 PM - 5:30 PM

Co-Chairs:
Jeffrey Serfass
Svend Andersen

G2.1 Catalyzing Change for Clean Energy through Coalition and Capacity Building

Jeffrey Serfass, President, Technology Transition Corporation and Kyle Gibeault and Patrick Serfass

G2.2 Strategic Analysis of GHG Program Impacts on Reliability

Jesse Frederick, Vice President, WZJ Inc.

G2.3 Regulatory and Financial Implications for Power Generation in Still Uncertain Regulatory Times: GHG and Energy Regulations

Teresa Raine, Senior Project Manager, CDM

G2.4 Adapting to a Changing Regulatory Climate for Medium-sized Companies: Have They Been Forgotten?

Svend Andersen, CEO, GHG Accounting Services Ltd.

Tuesday | February 1, 2011

G3 | GHG STRATEGIES | TUESDAY, 7:30 AM - 9:30 AM

Co-Chairs:
Lucy Brehm
Bill Lyons

G3.1 How to Survive and Thrive Under Cap and Trade

Lily Mitchell, Senior Associate, Hanna and Morton LLP and Norman Pedersen

G3.2 Unleashing the Power of Supply-Side Efficiency

Sherry Odom, Senior Government Relations Manager, GE Energy

G3.3 Fast-Tracking Patents for Emission and Renewable Technologies

Tim Smith, Patent Attorney, Osha Liang LLP and Robert Lord, Partner

G3.4 The Year of Big Decisions

Block Andrews, Director of Strategic Environmental Solutions, Burns & McDonnell

G3.5 Ways to Act Despite an Uncertain Policy Landscape

Lucy Brehm, Senior Manager, Business Development, The Climate Trust

G3.6 Understanding & Developing a Carbon Strategy for U.S. Technology Companies

Bill Lyons, Venture Partner, City Light Capital

G4 | ENTERPRISE & CLIMATE CHANGE MANAGEMENT | TUESDAY, 10 AM - 12 PM

Co-Chairs:
Bill Nelson
Greg San Martin

Sponsored by:


G4.1 Strategies for Managing Climate Change Risks in a Landscape of Uncertainty

Bill Nelson, Principal Consultant, Det Norske Veritas (U.S.A.) Inc. and Barbara Toole O'Neil and Kathleen Elliott

G4.2 The 21st Century Electric Utility

Joseph Kwasnik, Senior Advisor, Ceres and Dan Bakal and Dan Mullen

G4.3 Why Should You be Thinking About Sustainability, Emissions Trading Schemes and Their Impacts on Financial Statements?

Gillian Marks, Policy Consultant, Excellerate Energy LLC and Lynne McIntosh

G4.4 Sustainability and Greenhouse Gas Performance Indicators and Trends in the US Electric Sector

Greg San Martin, Senior GHG Engineer, URS Corporation

G4.5 2010 Electric Utility Renewable Energy Benchmark Study - Lessons Learned

Paul Alvarez, Principle and Practice Leader, Metavuv, Inc. and Marcus Krembs

G5 | GHG MONITORING & REPORTING | TUESDAY, 1 PM - 3 PM

G5.1 GHG Reporting of an Electric Utility: Gap Analyses, Year-over-Year Reporting, and Third Party Verification

Peter Anderson, Partner, ERM and Hoi Man Siu and Barry Durham (USPowerGen)

G5.2 How to Use Government-Off-The Shelf (GOTS) Technologies to Manage GHG Emissions

Michael Baghoomian, EESOH Solution Engineer, Northrop Grumman Corporation and Shawn Dolan

G5.3 SF6 Emissions Reporting under Subpart DD of the Greenhouse Gas Reporting Rule

Bob Mueller, Director Process Chemicals, Airgas Specialty Gases

G5.4 State Implementation of the US EPA GHG Tailoring Rule: Compliance Considerations for Electric Power/Utilities

Teresa Raine, Project Manager, CDM and Myriam Mills

G5.5 GHG Accounting - A New Profession

Valerie Madarasz, Business Development Manager, CSA Standards

Co-Chairs:
Peter Anderson
Teresa Raine

Sponsored by:



G6 | GHG REPORTING RULE | TUESDAY, 3:30 PM - 5:30 PM

G6.1 Requirements and Developments in Environmental and Carbon Reporting and Disclosure

John Fillo, Senior Engineer, Sentechn, Inc.

G6.2 An Inefficient and Costly Patchwork Quilt of GHG Reporting

Christina Schwerdtfeger, President, Coto Consulting, Inc.

G6.3 GHG Reporting Rule Requirements for Power Generating Units

Stephen Norfleet, Project Manager, RMB Consulting & Research, Inc.

G6.4 The GHG Tailoring Rule Double-Take

Jamie Wilson, Senior Consultant, Trinity Consultants

G6.5 NSR and GHG Emissions - A Regulatory Status Report

Dave Jordan, Air Program Director, ERM and Kenneth Weiss

G6.6 Electric Utility Small Project PSD Cautions Post GHG Tailoring Rule

Brian Burdorf, Director, Trinity Consultants

Co-Chairs:
John Fillo
Stephen Norfleet

February 2, 2011 | **Wednesday**

G7 | VERS & RECS | WEDNESDAY, 7:30 AM - 9:30 AM

G7.1 The Importance of the Voluntary REC Market

Jay Carlis, President, Renewable Energy Markets Association

G7.2 RECs or WRECKS - the Patchwork of Renewable Energy Credit Programs in the U.S.

Leah Bissonette, Managing Partner for the Power Sector, ERM

G7.3 Why a Liquid REC Futures Market Would Benefit Utilities, Project Owners and Other REC Market Participants

Omar White, Origination, 3Degrees

G7.4 REC Use in Arizona: Harnessing the Power of Markets to Increase Renewable Energy Development

Matthew McDonnell, J.D. Candidate, 2011, University of Arizona and Kirsten Engel and Ardeth Barnhart

Co-Chairs:
Jay Carlis
Leah Bissonette

G8 | GHG MANAGEMENT | WEDNESDAY, 10 AM - 12 PM

G8.1 Managing GHG Compliance Liabilities in Times of Regulatory Uncertainty

Mike Gerbis, CEO, The Delphi Group

G8.2 Mobilizing Energy Efficiency to Reduce Carbon Emissions

Nancy Whalen, Program Director, The Climate Registry

G8.3 Compliance in the Cloud - Riding the Wave of Technology

Dave McCurdy, Chief Operating Officer, Enviance, Inc.

G8.4 Comparison of Public Reporting of Greenhouse Gas Emissions, Carbon Management and Climate Change Programs by Electric Utilities and by Their Customers

Victoria Evans, National Practice Leader, Greenhouse Gas Management, URS Corporation

G8.5 Critical Infrastructure Protection Using Emerging Technologies

Bill Timmins, Director, GIS Services and Brad Tatham

Co-Chairs:
Mike Gerbis
Dave McCurdy

Monday | January 31, 2011

H1 | LANDFILL GAS & GASIFICATION | MONDAY, PM - 3 PM

Co-Chairs:
Edan Prabhu
Ira Pearl

H1.1 FlexEnergy's FlexPowerstation: Beating CARB 2013

Edan Prabhu, Founder, FlexEnergy

H1.2 High BTU Landfill Gas Projects - Screening & Selection

Ira Pearl, President, Renewco, LLC

H1.3 Mitigation of Landfill Gas Emissions via Diffusion through a Vegetative Bio-Reactive Landfill Cover

David Kindig, Senior Engineer, BMT Designers & Planners, Inc.

H1.4 Plasma Gasification in Renewable Power Generation

Michael Zebell, Senior Program Manager, AECOM

H1.5 Evaluating the Value of Alternative Storage and Preprocessing Methods in the Feedstock Supply Chain for Biomass Ethanol

Tun-Hsiang Yu, Assistant Professor, University of Tennessee and J.A. Larson, B.C. English, Y. Gao and S.H. Cho

H2 | BIOFUELS / ETHANOL | MONDAY, 3:30 PM - 5:30 PM

Co-Chairs:
Max Henrion
Troy Lapsys

H2.1 How Will US Vehicles Consume the Biofuels Envisaged by RFS?

Max Henrion, CEO, Lumina Decision Systems, Inc and Xirong Jiang and Surya Swamy

H2.2 Synthetic Nanotechnology Enzymes for Advanced Biofuels Production

Troy Lapsys, CEO, Incitor Incorporated

H2.3 Evaluating The GHG and Air Pollutant Impacts of Biomass Projects for the Department of Energy's Loan Guarantee Program

Keith Killpack, Practitioner, Life Cycle Assessment, Scientific Certification Systems and Katharine Gabor (SCS), Colin High (RSG) and Leslie Rimmer (RSG)

H2.4 Biodiesel Sustainability: What Role Does Water Play?

Tom O'Connor, National Biodiesel Board Consultant, National Biodiesel Board- H2O'C Engineering

H2.5 Microalgae Growth and Oil Production in Freshwater vs. Wastewater

Zlatan Zuka, Student, University of New Hampshire and Brian McConnell and Ihab Farag

H2.6 Biodiesel: Utilization of Waste Water for Microalgae Oil Feedstock

Gina Chaput, Student, University of New Hampshire and Kyle Charmanski and Ihab Farag

Tuesday | February 1, 2011

H3 | BIOFUELS | TUESDAY, 7:30 AM - 9:30 AM

Co-Chairs:
Shyam Lal Soni
Alan Wolfson

H3.1 Evaluation of Fuel Properties of Fish Oil Methyl Ester and its Production

Shyam Lal Soni, Professor, Malaviya National Institute of Technology Jaipur and Deepak Tanwar, Dilip Sharma and Y.P. Mathur

H3.2 Evaluation of the Performance of a Stationary Diesel Engine Using biodiesel/Diesel Fuel Blends for the Environmental Conditions of Cali (Colombia).

Jose Ramirez, Professor, Universidad Autónoma De Occidente

H3.3 Emissions of Regulated Harmful Matters Using H2/O2 Alternative Fuel on a Heavy-Duty Diesel Engine

Chia-Yu Cheng, Doctoral student, National Sun Yat-Sen University and Hsin-Kai Wang, Kang-Shin Chen, Yuan-Chung Lin and Chin-Hung Huang

H3.4 Biomass Electrical Generation Contributions to Sustainable Wildland Landscapes

Tom Stewart, Senior Environmental Scientist, Arcadis U.S. and Al Wolfson

H3.5 The Emerging Transportation Fuel Industry - Fuels and Electricity from Biomass

Alan Wolfson, Senior Associate, Arcadis-U.S. and Tom Stewart

H4 | BIOGAS & WASTE-TO-ENERGY | TUESDAY, 10 AM - 12 PM

Co-Chairs:
Chris Voell
Byeong-Kyu Lee

H4.1 Renewable Energy from Livestock Waste - Emerging Opportunities in the US

Chris Voell, National Program Manager, US EPA AgSTAR Program

H4.2 Proven in Practice: Case Studies of Proven Green Waste to Energy AD Facilities and Lessons Learned

Adam Halsband, Business Development Manager, EISENMANN Corporation

H4.3 Innovative Ways to Accelerate Development of Biodigesters

Sheldon Zakreski, Senior Program Manager, The Climate Trust

H4.4 Exploring the Spider Web

Dwight Clark, Principal Engineer, Ninyo & Moore

H4.5 Why Decentralised Waste Processing Works

Sandra Sassow, CEO, Seab Energy Ltd

H4.6 Development Potential of Refuse Plastic Fuel from Synthetic Resin Wastes in Industries

Byeong-Kyu Lee, Professor of Environmental Engineering, University of Ulsan and Seung-Hyeok Byeon and Sang-Tae Lee

Sponsored by:



H5 | BIOMASS | TUESDAY, 1 PM - 3 PM
H5.1 Obtaining Biomass Crop Assistance Program Subsidies

Daniel Simon, Partner, Ballard Spahr LLP

H5.2 Bio-Syntrolysis: Converting Biomass to Biofuel with High Temperature Steam Electrolysis

Grant Hawkes, Research Engineer, Idaho National Laboratory and Michael McKellar and Martin Plum

H5.3 Renewable Power From Biomass

Jamie Bohan, Director of Mkt: Alt Energy & Fuels, Honeywell

H5.4 Biomass Gasification and Advanced Product Gas Utilization

Jan-Willem Konemann, Sales Manager Renewable Technology, Dahlman

H5.5 Is Your Biofuel a Waste? EPA's Approach to Regulating Air Emissions from Combustion and Gasification of Biofuels

Cynthia Hibbard, Vice President, CDM

H5.6 The Value of Col-Location Strategies for Cellulosic Ethanol

Cynthia Bryant, Director Global Biomass Business Development, Novozymes

Co-Chairs:
Daniel Simon
Grant Hawkes

Sponsored by:

Ballard Spahr
LLP

H6 | ALGAE | TUESDAY, 3:30 PM - 5:30 PM
H6.1 Utilization of CAFO Site for Algal Biomass Production

Thomas Byrne, President, Algaedyne Corporation

H6.2 The Use of Algae for Simultaneous Carbon Capture and Biofuel Production

Bryan Yeh, Assistant Vice President, Science Applications International Corporation and Phil Marrone

H6.3 Microbial Cogeneration of Biofuels

Matt Scholz, Phd Candidate, University of Arizona and Joel Cuello and Mark Riley

Co-Chairs:
Thomas Byrne
Bryan Yeh

February 2, 2011 | Wednesday
H7 | COFIRING BIOMASS | WEDNESDAY, 7:30 AM - 9:30 AM
H7.1 Biosolids Renewable Energy Project - Power Generation with Biosolids

Lance Sulzen, Senior Project Manager, Stanley Consultants, Inc. and Scott Carr (CDM) and Dale Adam (Colorado Springs Utilities)

H7.2 Woody Biomass Viable Fuel Alternative

Osmond Crosby, Policy and Regulatory Manager, Enviva, LP and Thomas Meth

H7.3 Increasing Bio-Mass Co-Firing Without Exceeding CO Limits or Reducing Efficiency

Ronald Zimmerman, Engineering Manager - Power Products, Zolo Technologies

H7.4 Oxygen Enhanced Combustion of Biomass

Larry Bool, Senior Development Professional, Praxair, Inc and Hisashi Kobayashi and David Thompson

H7.5 Hydrothermal Pre-Treatment (HTP) of Cellulosic Biomass

S. Kent Hoekman, Research Professor, Desert Research Institute and Amber Broch, Curtis Robbins

H7.6 CFD Modeling of Impact of Biomass Properties on Combustion Performance

Bei Jin, Senior Engineer, Nalco Mobotec and Zhaosheng Gao, Brian Higgins, and Guisu Liu

Co-Chairs:
Lance Sulzen
Osmond Crosby

H8 | BIOMASS & BIOENERGY | WEDNESDAY, 10 AM - 12 PM
H8.1 The Present & Future State of Biomass Pellet Deals

Charles Brettell, Principal, Energy Asset Advisors, LLC

H8.2 Transforming Canada's Forestry Sector - Bio-energy and Bio-products: Good for the Planet, Job Creation and Bottom Line

Jon Flemming, Director, Economics and Trade Policy, Forest Products Association of Canada & Catherine Cobden

H8.3 NOx and SO2 Emissions of Coal/Biomass Blend from Combustion in CO2/O2 and N2/O2 Environments

Feyza Kazanc, , Northeastern University and Reza Khatami, Yiannis Levendis & Paula Crnkovic (University of Sao Paulo)

H8.4 Due Diligence and Siting for Bioenergy Facilities

Thomas Yonge, Senior Consultant, Golder Associates, Inc. and Scott Osbourn

H8.5 Biomass

Russ Zeeck, COO/ Director, Pellet Technology

H8.6 Design of the Temperature Control System in a Tubular Photobioreactor for Biomass and Fatty Acids Production from the Culture of Chlorella vulgaris Microalga in Colombia

Steven Urbano, Universidad Autonoma De Occidente and Jose L. Ramirez and Jorge A. Piedrahita

Co-Chairs:
Jon Flemming
Thomas Yonge

Monday | January 31, 2011

I1 | ENERGY SUSTAINABILITY | MONDAY, 1 PM - 3 PM

Co-Chairs:
Thomas Jensen
Jeffrey Plante

11.1 A Fifteen Year Roadmap Toward Complete Energy Sustainability

Andrew Frank, Professor, University of Calif-Davis and Sterling Watson

11.2 Levers and Drivers for Local Community Energy Action

Thomas Jensen, Practice Leader, Sustainable Solutions, Science Applications International Corporation

11.3 A Look at Sustainability Programs in the Electric Utility Sector

Jeffrey Plante, Program Director, Environmental Resources Management

I2 | SUSTAINABILITY PROJECTS | MONDAY, 3:30 PM - 5:30 PM

Co-Chairs:
Michael Walker
Timothy Corbett

12.1 Energy Management: Barriers to Implementation

Michael Walker, VP Energy & Environmental Services, The El Group, Inc. and Dan Welch

12.2 Risk Management for Sustainable Projects

Timothy Corbett, President, SmartRisk

12.3 New Options for Corporate Renewable Energy Programs

Peter Freed, Project Developer, TerraPass

12.4 Sustainability is Dead

Greg Scandrett, VP of Product Management, Enviance, Inc.

12.5 Building Information Modeling and Sustainability for Healthcare Design and Construction

Allan Chasey, Professor, Arizona State University and Scott Root

12.6 Collaboration-Based Management of Petroleum Pipeline Rights of Way in Nigeria

Unite Ekwo, Phd Resercher, Newcastle University

Tuesday | February 1, 2011

I3 | SUSTAINABILITY - GREEN | TUESDAY, 7:30 AM - 9:30 AM

Co-Chairs:
Manish Mehta
Kim Kristoff

13.1 Achieving Multi-Attribute Product Sustainability Standards: A How-To Guide

Manish Mehta, Executive Director, National Center for Manufacturing Sciences and Abigail Daken, Clare Lindsay,

Robert Peoples, Matthew Realff, Jane Wilson and Brad Miller (BIFMA)

13.2 Abundance: Sustainable, Carbon Neutral Food and Energy

Mark Edwards, Professor, Arizona State University

13.3 Green is the New Black - Marketing in an Eco-Conscious World

Ilene Adler, CEO, Vantage Communications

13.4 Water Phase Biobased Surfactants

Kim Kristoff, President/CEO, GEMTEK Products

I4 | SUSTAINABILITY REPORTING | TUESDAY, 10 AM - 12 PM

Co-Chairs:
Thomas Miller
Richard Hovan

14.1 How Do You Define and Measure Progress Toward Sustainability? How Does the Current Climate Dilemma Fit the Into Sustainable Practices?

Thomas Miller, President, ZMassociates Inc.

14.2 Sustainable Compliance Monitoring with Reduced Operating Costs and Greater Accuracy – A Case Study for Software CEMS on Gas Turbines

Richard Hovan, Manager, Environmental Solutions, Rockwell Software

14.3 Achieve Improved Energy Efficiencies through Environmental Management Optimization

Dailey Tipton, Global Leader, Sales and Marketing, FirstCarbon Solutions

14.4 The Reality of Sustainability: Challenges and Lessons Learned from Implementing Corporate Sustainability and Reporting Programs

Marc Dillon, Senior Product Manager, IHS

14.5 Trends and Best Practices in Sustainability Reporting Among Power Companies

P. Diane Mountain, Senior Project Manager, ERM

Sponsored by:



15 | SUSTAINABILITY | TUESDAY, 1 PM - 3 PM

15.1 Integrating Sustainability from the Boardroom to the Field

Felipe Zarate, Executive Director, TrustElement

15.2 When is Dilution not the Solution to Pollution?

Karl Aveard, VP, Erlab, Inc.

15.3 State of Sustainability for the Electric Industry

Todd Maki, Project Manager, Sustainability, Electric Power Research Institute

15.4 How to Develop and Benchmark an Environmental Footprint - A Case Study

Lee Matthews, Manager Environmental Performance, Tennessee Valley Authority and Neelanjan Patri

15.5 Coupling Sustainability with Strategic Growth

Kevin O'Brien, CEO, Energy Commercialization and Will Johnson, Daryl-Lynn Roberts and Jose Figueroa

Co-Chairs:

Todd Maki

Lee Matthews

Sponsored by:



16 | LEED-EB / GREEN BUILDING | TUESDAY, 3:30 PM - 5:30 PM

16.1 Energy Savings Opportunities for a National Restaurant Chain – A Case Study

Michael Walker, VP Energy & Environmental Services, The EI Group, Inc.

16.2 Apples to Apples: Results for a New Metric Promoting Whole House Energy Reduction

Tom Breunig, Director of Marketing, Earth Advantage Institute and Sean Penrith

16.3 Building Grades, Do the Europeans or the Americans Have it Right?

Elton Sherwin, Senior Managing Director, Ridgewood Capital

16.4 Urban Sustainability in Traditional Societies: The Case of Muslims

Hisham Mortada, Professor, King Abdul Aziz University

Co-Chairs:

Michael Walker

Tom Breunig

February 2, 2011 | Wednesday

17 | WATER SUSTAINABILITY I | WEDNESDAY, 7:30 AM - 9:30 AM

17.1 Water Optimization - 30% Groundwater Use Reduction

Tabatha Pellerin, Senior Program Manager, AECOM and Sandra Davidson (Entergy Services, Inc.)

17.2 Environmental and Greenhouse Gas Impacts of Water Conservation

Jeffrey Edstrom, Senior Water Resources Manager, Environmental Consulting & Technology and Stephen Brick, Sanjiv Sinha, Ryan Higuchi, Mary Ann Dickinson (Alliance For Water Efficiency) and Jeffrey O'Hara (Chicago Climate Exchange)

17.3 Pilot Project Update - Constructed Wetland Treatment Systems for FGD Blowdown Treatment

Chris Snider, Associate, Burns & McDonnell Engineering Company and Dennis Haag & Andy Rietcheck (Westar Energy)

17.4 California OTC Policy and New York BTA Policy Versus EPA Phase II/III BTA

Deborah Saxton, Client Program Manager, Shaw Environmental & Infrastructure, Inc. and John Downing and Julian Isham

17.5 Utilizing Reclaimed Wastewater at Power Generating Facilities

Douglas Brown, Vice President, CDM and Don Vandertulip

17.6 Institutional Water Conservation Opportunities: Keys to Energy and Cost Savings

Margie Brenner, Water Conservation Consultant, GreenerU, Inc.

Co-Chairs:

Chris Snider

Deborah Saxton

Sponsored by:



18 | WATER SUSTAINABILITY II | WEDNESDAY, 10 AM - 12 PM

18.1 Oxygen Enrichment in Combustion of Toxic Waste Water

Bernhard Vosteen, President, Vosteen Consulting GmbH and Claus Müller, Dipl.-Ing.

18.2 Selenium in Water Emissions – How To Find Appropriate Treatment Options?

Greg Pulliam, Senior Client Services Manager, CH2M Hill and Tom Higgins

18.3 On-line Catalog of Alternative Sources of Water for Coal Fired Power Plants

David Alleman, Senior Environmental Manager, ALL Consulting and J. Daniel Arthur and Nathan Alleman

18.4 Field Evaluations of the Toxin Trap™ Technology for Removal of Heavy Metals in FGD Wastewater

Robert Jones, Managing Partner, Energy and Environmental Enterprises and Millicent Garland (Tennessee Valley Authority)

18.5 Mercury Removal and Probiotic Characterization of Lactic Acid Bacteria

Jatindra Nath Bhakta, Post Doctoral Researcher, Kochi University and K. Ohnishi, Y. Munekage, K. Iwasaki and B. B. Jana (University of Kalyani)

18.6 By-products Recovery from Reclaimed Water RO Concentrates Using Lime-soda Treatment and Isothermal Evaporation

Farah Mohammadesmaeili, Post-doctoral Researcher, Arizona State University and Dr. Mostafa Kabiri-Badr, Dr. Morteza Abbaszadegan and Dr. Peter Fox

Co-Chairs:

Bernhard Vosteen

Greg Pulliam

Sponsored by:



Monday | January 31, 2011

J1 | COMMUNITY ENERGY EFFICIENCY | MONDAY, 1 PM - 3 PM

Co-Chairs:
Samuel Booth
Cynthia Hibbard

J1.1 Net Zero Energy Military Installations a Guide to Assessment and Planning

Samuel Booth, Senior Project Leader, National Renewable Energy Laboratory and John Barnett, Kari Burman, Mike Helwig, Josh Hambrick and Robert Westby

J1.2 Measuring the Avoided GHG and Air Pollutant Emissions from EERE Programs for the Metropolitan Washington Council of Governments

Colin High, Chairman, RSG, Inc. and Leslie Rimmer (RSG) and Jeff King (MWCOG)

J1.3 Decentralization/Centralization as an Energy Management Practice

Frank Hoffman, Chief Mechanical Engineer, AMEC Power and Process and Vladimir Dain

J1.4 The Future is Here - Building a Large Scale Zero Energy Building and a Zero Energy Campus

Craig Randock, Principal, RNL Architects and John Andary

J1.5 Validation Testing of the I-PLACE3S Program as a Tool to Evaluate Energy Use at the Community Level

Dara Salour, Senior Engineer, Alternative Energy Systems Consulting, Inc. and Obadiah Bartholomy

J1.6 Community Energy Planning – Challenges and Opportunities for Utilities

Cynthia Hibbard, Vice President, CDM and Amelia Pellegrin

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**J2 | ENERGY EFFICIENCY | MONDAY, 3:30 PM - 5:30 PM**

Co-Chairs:
Michael Newell
Gregory Thomas

J2.1 The Power of Waste Heat Reducing Industrial Energy Costs and Green House Gas Emissions

Michael Newell, CEO, Ener-G-Rotors, Inc.

J2.2 Environmental Intelligence

Patrick Kozak, VP of Product Development, Evergreen Energy Inc.

J2.3 There and Back Again

Gregory Thomas, CEO, Performance Systems Development

J2.4 ETSI Standards Activities for Energy Efficiency

Dong-Hi Sim, Technical Officer, European Telecommunication Standards Institute

J2.5 Holistic Building Energy Efficiency

CR Herro, VP Environmental Affairs, Meritage Homes

J2.6 Commercial Energy Forecasting For Energy Management in India Using Multivariate Models

Selvarasan Iniyan, Professor & Director, Anna University and L. Suganthi, Anand A. Samuel, Maria Dicorato and Michele Trovato

Tuesday | February 1, 2011

J3 | UTILITY DISTRIBUTION & ENERGY EFFICIENCY | TUESDAY, 7:30 AM - 9:30 AM

Co-Chairs:
Stuart Hickox
Mikell Smith

J3.1 Role of Distributed Energy in Greening Our Power System

Larisa Dobriansky, Director, Global Energy Network for Sustainable Communities

J3.2 An Industrial Energy Efficiency Case Study in the Steel Industry

Richard Vesel, Senior Consulting Engineer, ABB Inc. and Charles Bennett

J3.3 Turning on People with Simple Actions

Stuart Hickox, President and Founder, One Change

J3.4 How to Bring Industry and Community Together To Reach Goals of Environmental Sustainability

Mikell Smith, Project Coordinator, Gulf of Mexico Foundation and Quenton Dokken

J3.5 "Two Hands, Three Balls"; Customer & Prospect Management (juggling!) and Business Building in This, or Any, Economy

Michael Cahill, Vice President, BCX Energy, Inc.

J3.6 Real-Time, Scalable Energy Storage and Power Management Solutions for Renewable Integration Challenges

Carlos Coe, Chief Executive Officer, Xtreme Power

J4 | HEATING / COOLING EFFICIENCY | TUESDAY, 10 AM - 12 PM

Co-Chairs:
Allen Ray
Tom Lopp

J4.1 Case Histories of Mechanical Draft Fan Upgrades

Allen Ray, Director - Air And Gas Handling Director, Process Barron

J4.2 Energy Savings with Adsorption Chillers

Tom Lopp, VP Marketing, Power Partners, Inc.

J4.3 Diffusion and Its Drivers of High-Efficient Water Heaters in Japan

Hisanori Goto, Research Scientist, Central Research Institute of Electric Power Industry and Mika Goto, Toshiyuki Sueyoshi and Toshio Ariu

J4.4 Constant Commissioning for Continual Energy Efficiency

Angie Estey, Account Executive, Optimum Energy, LLC

J4.5 Reducing Energy in Research Facilities While Potentially Improving Air Quality

Scott Reynolds, Manager, M/E Engineering, PC

J4.6 Bringing Semiconductor Technology and New Ideas to Mechanical Systems For Greener Tomorrow

Rachid Kaina, General Manager - HVAC/R, Microstaq Inc.

J5 | POWER PLANT & BOILER OPTIMIZATION | TUESDAY, 1 PM - 3 PM

J5.1 Optimize ESP-Efficiency by Measuring Dust

Alexander Jakschik, Product Manager Dust Measuring Devices, SICK Engineering GmbH

J5.2 Gas Turbine Emissions Capabilities and Challenges

Andrew Dicke, HDGT Environmental Product Marketing Manager, General Electric

J5.3 Zonal Combustion Monitoring System at Lakeland Electric, McIntosh Unit 3

Santosh Nareddy, Performance Engineer, GE Energy and Larry Swanson, Neil C. Widmer and

Alexander Krajna (Lakeland Electric)

J5.4 Boiler MACT - Prelude to EGU MACT?

Bob Fraser, Technical Director, Power Generation Services, AECOM

J5.5 Compact Dual Path mid IR QCL Gas Analyser

Yann Hamonou, Cascade Technologies Limited and Simon Nicholson

Co-Chairs:

Alexander Jakschik

Santosh Nareddy

J6 | ENERGY CONSERVATION & STORAGE | TUESDAY, 3:30 PM - 5:30 PM

J6.1 New Technologies for Utility Scale Storage: Creating a More Efficient & Reliable Electrical Grid

Bob Misback, Senior Director - Energy Storage Solutions, Altairano, Inc.

J6.2 Fast-Response Energy Storage For Renewable Integration

Norman Sendler, Business Development, North America, Beacon Power

J6.3 Applications and Benefits of Energy Storage

Sam Scupham, Energy Consultant, Black & Veatch and Eric Woychik

J6.4 Adsorption-Enhanced Compressed Air Energy Storage

Jerry Y. S. Lin, Professor, Arizona State University and Timothy F. Havel (Energy Compression Inc.)

J6.5 Energy Storage of Nickel-Cobalt Oxide Supercapacitors

Hao Gong, Professor, National University of Singapore and Chunhua Tang and Guangxia Hu

Co-Chairs:

Norman Sendler

Sam Scupham

February 2, 2011 | Wednesday

J7 | ENERGY MANAGEMENT | WEDNESDAY, 7:30 AM - 9:30 AM

J7.1 Efficiency, Carbon Abatement, and Improving the Bottom Line: A Case Study of Award Winning Results

Tom Bowman, President, Bowman Design Group

J7.2 Is it Time for Behavior Based Continuous Energy Improvement?

Rich Lauman, VP Commercial & Industrial Solutions, Ecos

J7.3 From Shop Floor to Top Floor: Best Business Practices in Energy Efficiency

Tim Juliani, Director of Corporate Engagement, Pew Center on Global Climate Change and Janet Peace,

Mike McCormick and Aisha Husain

J7.4 Sustainable Energy Efficiency Optimization by Bayer Technology Services

Anke Hielscher, Principle Technology Specialist, Bayer Business and Technology Services LLC and Dr. Stephan

Schubert and Dr. Andreas Jupke

J7.5 Wisconsin's Approach to Applying Carbon Values -- Time-Differentiated Emission Impacts Attributed to DSM Programs

David Sumi, Principal, The Cadmus Group and Eric Rambo and Bryan Ward

J7.6 Sense & Sustainability Across Multi-State Portfolios

Terrence Matula, Director, The Loyaltan Group

Co-Chairs:

Tom Bowman

David Sumi

J8 | DEMAND MGMT, SMART GRID & CYBERSECURITY | WEDNESDAY, 10 AM - 12 PM

J8.1 Intelligence Asset Scheduling Based on Economic Energy Optimization

Angel Sustaeta, Manager, Predictive Intelligence Solutions, Rockwell Software

J8.2 Urban System Model: Energy-Water Relationship

Arvind Akela, Mechanical Engineer, CDM

J8.3 Intelligent Systems for Electric Vehicles and the Evolving Smart Grid

Ryan Prosser, Vice President, Sales, The Prosser Group

J8.4 Implications of Cyber Attacks on the Critical Infrastructure

Donald Cox, Project Manager, Raytheon

J8.5 The Army's Meter Data Management System (MDMS)

Ted Richan, Vice President, CALIBRE Systems, Inc. and Cecil Jones

Co-Chairs:

Ryan Prosser

Donald Cox

Sponsored by:



Monday | January 31, 2011**K1 | RENEWABLE ENERGY POLICY | MONDAY, 1 PM - 3 PM**

Co-Chairs:
Sarah Busche
Karen Jones

K1.1 The Receding Threat of Global Warming

James Taylor, Senior Fellow Environment Policy, The Heartland Institute

K1.2 Clean Energy Policies: Quantifying Effectiveness

Sarah Busche, Energy Analyst, National Renewable Energy Laboratory and Elizabeth Doris, Joyce McLaren and Rachel Gelman

K1.3 Implementing Feed In Tariffs with an RPS program

Ryan Hurley, Attorney, Rose Law Group PC

K1.4 State Level Feed-In Tariffs - "Down for the Count?"

Richard Barclay, Director of Research and Policy Development, Michigan Electric Cooperative Association

K1.5 Border Region Renewable Energy Corridor

Karen Jones, Civil And Commercial - Program Manager, The Aerospace Corporation

K2 | SMALL SCALE RENEWABLE & ELECTRIC UTILITIES | MONDAY, 3:30 PM - 5:30 PM

Co-Chairs:
Joseph DiMatteo
Lori Singleton

K2.1 Best Practices in Residential to Midsize Commercial Solar Electric and Thermal PV Design

Joseph DiMatteo, President, Sunpower of Arizona

K2.2 Sacramento Municipal Utility District Community Renewable Energy Deployment

Elaine Sison-Lebrilla, Senior Project Manager, Sacramento Municipal Utility District and Valentino Tiangco, Marco Lemes, Kathleen Ave, Harlan Coomes and Obadiah Bartholomy

K2.3 Earthwise Programs

Lori Singleton, Manager, Salt River Project

K2.4 Regulatory Hurdles for Utility Investment in Clean Energy and Smart Grid

Elias Hinkley, Partner, Kilpatrick Townsend & Stockton LLP

K2.5 Waves Absorber Device to Produce Green Energy

Wissam Fawaz, Projects Manager, Tanzifco

Tuesday | February 1, 2011**K3 | GEOTHERMAL & SOLAR THERMAL | TUESDAY, 7:30 AM - 9:30 AM**

Co-Chairs:
Carolyn Dunmire
Paul Stull III

K3.1 Permitting Energy Projects on Tribal Lands

Carolyn Dunmire, Senior Project Manager/Resource Economist, Ecosphere Environmental Services

K3.2 Ground Source Heat Pump National Comparison Case Study

Paul Stull III, Associate Environmental Engineer, AMEC Earth & Environmental, Inc. and James Field and Alexis Clark

K3.3 Solar Driven Absorption Chillers

Brett Wightman, Corporate Sales Manager, Sopogy and Van Matsushige and Edward Sanchez

K3.4 Why Utilities Should Add Geothermal To Their Service Offering

Paul Bony, Director of Residential Market Development, Climatemaster

K4 | REGIONAL STRATEGIES | TUESDAY, 10 AM - 12 PM

Co-Chairs:
Bill Leighty
Sarah Busche

Sponsored by:

**K4.1 Renewable Energy an Economic Development Strategy for Rural Areas**

James Walls, Executive Director, Lake County Resources Initiative

K4.2 A Fifteen Year Roadmap Toward Complete Energy Sustainability

Sterling Watson, Student, The College Preparatory School and Andrew A. Frank

K4.3 Clean Energy Policies, Potential and Opportunities for the Southeastern States

Sarah Busche, Energy Analyst, National Renewable Energy Laboratory and Joyce McLaren

K4.4 Delivering Alaska's Vast Stranded Renewable Energy as Ammonia Fuel

Bill Leighty, Director, The Leighty Foundation and John Holbrook

K5 | RENEWABLE DEVELOPMENT ANALYSIS | TUESDAY, 1 PM - 3 PM

K5.1 Renewable Energy: Being Green Isn't All Black and White

Celeste Wiley, Principal, Zephyr Environmental Corporation

K5.2 Online Electric Utility Rate Database Project

Sean Ong, Energy Analyst, National Renewable Energy Laboratory and Ryan McKeel

K5.3 Renewable Plus - A New Business Model for Renewable

Eamonn McCormick, CEO, Tri Modal Energy and Geir Spiten

K5.4 Integrating Energy Markets: FERC's Role in Renewable Energy Development

Matthew Field, Associate, Venable

K5.5 How to Select the Optimal Federal Tax Incentive and Transaction Structure for Financing a Renewable Energy Facility

James Duffy, Partner, Nixon Peabody LLP

K5.6 A Turn-Key Solution in Wind Energy Development

Joaquin Altenberg, Managing Partner, Vert Investment Group

Co-Chairs:
Celeste Wiley
Eamonn McCormick

Sponsored by:



K6 | RENEWABLE PROJECT DEVELOPMENT | TUESDAY, 3:30 PM - 5:30 PM

K6.1 Renewable Resource Federal Case Studies

Jeff Riegle, Federal Energy Program Manager, AMEC Earth & Environmental, Inc.

K6.2 Top Five Benefits of Using Potentially Contaminated Land for Siting Renewable Energy

Lura Matthews, Program Analyst, US EPA Center for Program Analysis

K6.3 Tax Credit Financing for Renewable Energy

Marc Schultz, Attorney, Snell & Wilmer

K6.4 Tradeoffs for Large Scale Renewable Energy Projects

William Stein, Engineer, US Army ERDC/CERL and Roch Ducey and William Goran

K6.5 The Environmental Aspects of Renewable Energy

Linda Bullen, Shareholder, Lionel Sawyer & Collins

Co-Chairs:
Lura Matthews
Marc Schultz

Sponsored by:



February 2, 2011 | Wednesday

K7 | LEGAL, IP & NEW TECHNOLOGY | WEDNESDAY, 7:30 AM - 9:30 AM

K7.1 Securing and Leveraging Intellectual Assets in the Renewable Energy Industry

Bryan Treglia, Registered Patent Attorney, Quarles & Brady LLP and Gavin Milczarek-Desai

K7.2 How Product Design Tools Speed Delivery of Renewable Energy Technologies – Three Case Study Examples

Paul Cousens, Clean Tech Development Manager, Autodesk

K7.3 Smart Marketing: How to Capitalize on the Renewable Energy Revolution

Ilene Adler, CEO, Vantage Communications and Tory Patrick

K7.4 Clean Energy M&A: Recent Trends and Rationales

Thomas Paschall, Attorney, Milbank, Tweed, Hadley & McCloy LLP

Co-Chairs:
Bryan Treglia
Ilene Adler

K8 | FUEL CELLS | WEDNESDAY, 10 AM - 12 PM

K8.1 How Fuel Cells Can Plug The Holes In Our Inefficient Grid

Robert Rose, Senior Advisor, US Fuel Cell Council and Sandy Hull

K8.2 U.S. Department of Energy Fuel Cell Market

Carole Read, Acting Education Team Leader, U.S. Department of Energy Fuel Cell Technologies Program and

Greg Moreland

K8.3 Novel Sorbents to Clean Up Biogas for Fuel Cell CHP Systems

Gokhan Alptekin, Senior Project Manager, TDA Research, Inc and Ambalavanan Jayaraman, Matthew Schaefer,

Michael Ware and Amanda Parker

K8.4 Fuel Cell Policy: The US Must Act Now or Watch the World Drive By

Robert Rose, Senior Advisor, US Fuel Cell Council

K8.5 Novel Dry-Borohydride Fuel Cell Technology

George Miley, Professor, University of Illinois and Nie Luo and Kyu-Jung Kim

Co-Chairs:
Robert Rose
Carole Read

Sponsored by:



Monday | January 31, 2011

L1 | ENERGY & ENVIRONMENTAL AUDITS | MONDAY, 1 PM - 3 PM

Co-Chairs:

Ivor John

Joseph Pisano

L1.1 Aligning Carbon Assurance with Operations

Ryan Schauland, Carbon Emissions Specialist, Ryerson, Master and Associates, Inc. and Rachel Pelc

L1.2 Energy Audits: Lessons Learned from Over 30 Million Square Feet

Mike Baldwin, Energy Engineering Consultant, AMEC Earth & Environmental, Inc. and Jeff Riegler

L1.3 Energy Auditing: Managing Expectations

Joseph Pisano, Project Manager, AMEC Earth & Environmental, Inc. and Jeff Riegler

L1.4 Investing in Investment Grade Energy Audits

Matthew Goss, Mechanical Engineer, CDM

L2 | COMPLIANCE TECHNOLOGIES & STRATEGIES | MONDAY, 3:30 PM - 5:30 PM

Co-Chairs:

Stephany Mason

Rebecca Szafranski

L2.1 Energy Conservation and Healthy Indoor Environments in Green Buildings: Maintaining Balance

Stephany Mason, Principal Scientist, Air Quality Sciences, Inc.

L2.2 Building a Compliance Continuum

Rebecca Szafranski, Senior Regulatory Analyst, Citation Technologies Inc and Theodore Polakowski

L2.3 Preparing your Organization for GHS Compliance

Duane Burkett, COO & Founder, Safetec and Jim Braselman

L2.4 Urea to Ammonia Technology for DeNox Applications

William Hankins, Vice President Sales U2A, Wahlco Inc

L2.5 Existing and Emerging Technologies to Measure Greenhouse Gases

HJ Jost, Manager Research and Development, Thermo Fisher Scientific and Jacob Thekkethala and James Scherer

L2.6 Air Quality in the Athabasca Oil Sands Region of Alberta, Canada

Kevin Percy, Lead Scientist, Wood Buffalo Environmental Association and Yu-Mei Hsu, Martin Hansen, Sanjay Prasad and Allan Legge

L2.7 Oakland County Water Resources Commissioner H2Opportunities Innovative Approach to Technology Validation in a Conservative and Risk Averse Industry

Kevin Larsen, Executive Director, H2Opportunities and John McCulloch (Oakland County Michigan)

Tuesday | February 1, 2011

L3 | EHS | TUESDAY, 7:30 AM - 9:30 AM

Co-Chairs:

Jeff Simmerman

Cindy Whitaker

L3.1 Chemical Security: Sustainable Utilities through a Secure Power Grid

Jeff Simmerman, Lieutenant Commander USCG (ret), ERM

L3.2 Water Management: The Next Corporate Challenge in Compliance

Doug Hatler, Vice President of Alliances, Enviance, Inc.

L3.3 Emerging Best Practice Ensures EHS and Sustainability Systems Achieve Business Objectives

Carrie Tuosto, Client Services Director, EHS & Sustainability Solutions, IHS

L3.4 Now That Your Wind Farm is Finally Up and Running...How Strong is Your EHS Compliance Program?

Brian Koziczowski, Senior Project Manager, ERM and Peter Anderson

L3.5 The Big Squeeze - Using Technology to Enable EHS Compliance Assurance While Reducing Cost and Minimizing Risk

Jim Braselman, VP, Safetec and Greg Haunschild

L3.6 Integrating ESC and IHS EMIS Tools For Automated Air Emissions Data Transfer

Cindy Whitaker, Senior Environmental Specialist, Duke Energy

L4 | EMIS & COMPLIANCE MANAGEMENT | TUESDAY, 10 AM - 12 PM

Co-Chairs:

Greg Haunschild

Kecia Held

L4.1 Accepting Rule Changes as Opposed to Tracking Rule Changes

Greg Haunschild, President, Argent Consulting

L4.2 Risk Reduction Through an Integrated Environmental Management Information System

Kecia Held, Senior Consultant, Optimized Systems and Solutions and Jordan Carroll

L4.3 Enabling Sustainable Compliance

Jordan Carroll, Implementation Consultant, Optimized Systems and Solutions and Kecia Held

L4.4 FujiFilm - Taking a "Snapshot" of Compliance

Brian Stenson, EHS Manager, FujiFilm

L4.5 Avoiding the 13 Missteps of EMIS Implementation

Matt Airhart, Director, KMI and Laura Murphy

L4.6 Transforming Environmental Compliance into Business Opportunity

Lisa Thompson, Senior Consultant, IHS and Dave Bradley

Sponsored by:

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L5 | GAS SWITCH | TUESDAY, 1 PM - 3 PM

L5.1 Reducing CO₂/MWhr from existing Coal-Fired plants through real-time Combustion Optimization

Scott Affelt, Vice President, Zolo Technologies

L5.2 Implications of Greater Reliance on Natural Gas for Electricity Generation

Catherine Elder, Senior Associate, Aspen Environmental Group

L5.3 Why Coal Plant Retirements & Fuel Switching Conversions to Natural Gas Matters to Utilities and Our Customers

Alex Hofmann, Senior Energy and Environmental Services Engineer, American Public Power Association and Theresa Pugh

L5.4 The Changing Landscape of Natural Gas: Fundamentally and Financially

David Tucker, VP National Accounts, Atmos Energy and Jude Mariea

Co-Chairs:
Catherine Elder
David Tucker

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L6 | COAL, COGEN & CHP | TUESDAY, 3:30 PM - 5:30 PM

L6.1 Fundamental Ash Interactions for Biomass Cofiring

Christopher Zygarlicke, Deputy Associate Director For Research, University of North Dakota Energy & Environmental Research Center

L6.2 Experimental Investigation of Micro-Trigeneration System Fueled with Karanj Oil-Diesel Blend (K-20)

Dilip Sharma, Associate Professor, Department of Mechanical Engineering, Malaviya National Institute of Technology and Kamal Kishore Khatri and S.L. Soni

L6.3 Environmental and Economic Impacts of Increased Efficiency in Coal Power Plants

Roger Bezdek, President, MSI

L6.4 FGD Wastewater Treatment for Microconstituent Control

Ivan Cooper, Practice Leader, Golder Associates and Ron Ruocco

Co-Chairs:
Christopher Zygarlicke
Roger Bezdek

February 2, 2011 | **Wednesday**

L7 | TERRESTRIAL / GEOLOGICAL SEQUESTRATION | WEDNESDAY, 7:30 AM - 9:30 AM

L7.1 Update on the Unintended Legal Consequences of Geologic Carbon Sequestration

Timothy Gablehouse, Managing Partner, Gablehouse Calkins & Granberg LLC

L7.2 CO₂ Sequestration: Geology and Volume Issues for Power Plants

Bill Shefchik, Associate Geologist, Burns & McDonnell Engineering Company and John Stower

L7.3 Development of a Greenhouse Gas Emissions Offsets Methodology to Credit GHG Reductions from Reduced Fertilizer Use in Agricultural Crop Production

Adam Diamant, Senior Project Manager, Electric Power Research Institute

Co-Chairs:
Timothy Gablehouse
Adam Diamant

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L8 | ASH / CCR | WEDNESDAY, 10 AM - 12 PM

L8.1 Permitting Complexities, Impacts, and Benefits of an Innovative Fly Ash Beneficiation Project in Maryland

Brandie Sebastian, Associate Engineer, Environmental Resources Management and Robert Sawyer and Shawn Seaman (PPRP)

L8.2 Coal Combustion Residues Management, Today, Tomorrow, and Beyond.....

Andrew Byers, Associate Vice President, Black & Veatch and Lisa Fewins, Larry Almaleh and Mike Serafin

L8.3 Financial Impacts of Proposed Coal Combustion Residuals Handling and Disposal Rules

Douglas Dahlberg, Project Associate, Sargent & Lundy LLC and Timothy Krause

L8.4 Coal Ash Management -- The Changing Legal Landscape

Jeffrey Martin, Partner, Hunton & Williams LLP

L8.5 New Coal Combustion Residues Regulation of Beneficial Reuse

Elizabeth Perry, Technical Leader/Hydrogeologist, AECOM Environment and Doug Hermann

Co-Chairs:
Brandie Sebastian
Andrew Byers