

MARCH 30-31, 2011 CONFERENCE PROGRAM

# GLOBALCON™

*Energy, Power, & Facility Management Strategies & Technologies*  
Pennsylvania Convention Center, Philadelphia, Pennsylvania

## WELCOME TO GLOBALCON 2011

Attendees will explore energy efficiency and clean energy initiatives and participate in the largest energy efficiency and renewable energy exposition held in the Northeast region. AEE is proud to team up with our sponsors to present GLOBALCON 2011. A special thank you to the numerous speakers, volunteers, and chair persons who have developed this year's event.

- Albert Thumann, P.E., C.E.M., Executive Director, Association of Energy Engineers.

### OPENING SESSION NEW MARKETS IN ENERGY / ROOM 126A WEDNESDAY, MARCH 30, 2011 / 9:15-11:00AM

**CHAIR:** Douglas I. Oliver, Senior Vice President, Marketing & Corporate Communications, Philadelphia Gas Works



•9:15-9:20AM  
**WELCOME FROM AEE**  
Albert Thumann, P.E., C.E.M., Executive Director, Association of Energy Engineers



•9:20-9:30AM  
**WELCOME FROM HOST SPONSOR, PGW**  
Craig White, President & Chief Executive Officer, Philadelphia Gas Works



•9:30-10:00AM  
**FORWARD THINKING FOR SUSTAINABILITY & CLIMATE CHANGE**  
Edward G. Rendell, Former Governor of Pennsylvania, Partner at Ballard Spahr LLP



•10:00-10:30AM  
**DREXEL'S SUSTAINABILITY COMMITMENT & CHALLENGE**  
James R. Tucker, Senior Vice President, Student Life & Administrative Services, Drexel University



•10:30-11:00AM  
**UPDATE ON THE NEW WORLD OF ELECTRIC RATES**  
Robert Powelson, Chairman, Pennsylvania Public Utility Commission



•11:00-11:30AM  
**KRAFT FOODS SUSTAINABILITY INITIATIVES & EFFORTS**  
Susan Howley, Area Environmental Manager & KNA Energy Lead, Kraft Foods Global, Inc.

Presented By



Bronze Sponsor



Corporate Energy Leader



Hosted By



Government Energy Leader



Featuring



**FREE: NEW TECHNOLOGIES BREAKFAST**



**Wednesday, March 30th / 8:00-9:00AM / Room 119A**

The New Technologies breakfast, sponsored by Leviton Manufacturing Company, is a concise and informative

forum for GLOBALCON attendees to preview the new and innovative products and services on display at the show. Presenting exhibitors will provide brief 5-7 minute presentations on their newest technologies, enabling attendees to quickly map out their time at the show and get a rapid survey of what's new.

**FREE TOUR: PGW PENNSYLVANIA CONVENTION CENTER TOUR**

**Wednesday, March 30th / 1:00-2:00PM /**

**Meet at the PGW Counter in the registration area.**

The Philadelphia Gas Works tour will take place onsite at the Pennsylvania Convention Center. During the tour, you will see how the Convention Center utilizes natural gas to lower overall facility costs by using it for their heating, air conditioning, and hot water. Preregistered tour attendees should meet at the PGW Counter in the registration area. If you did not preregister for this tour, please check with the tour counter for available openings.

**WEDNESDAY CONFERENCE PROGRAM  
MARCH 30, 2011 / 2:00-4:00PM**

**Speaker/Press Room 121B**

| <b>Track 1: Policy</b><br>Session 1A: Climate Legislation & Energy Policy<br>Room 126A   | <b>Track 2: Buildings</b><br>Session 2A: Building Rating Systems<br>Room 125  | <b>Track 3: Green Energy &amp; Carbon Reduction</b><br>Session 3A: Renewable Energy Technology Update<br>Room 124  | <b>Track 4: Energy Management</b><br>Session 4A: Natural Gas Development & Technologies<br>Room 123  |
|--|---|--|--|
| <b>Chair:</b> Brad Penney, Director of Government Relations, Alliance to Save Energy   | <b>Chair:</b> Mary Alcaraz, P.E., C.E.M., LEED AP, LC, Principal, EwingCole   | <b>Chair:</b> Judith L. Mondre, President, Mondre Energy, Inc.   | <b>Chair:</b> George Livanos, Technical Support Engineer, Business Development, Philadelphia Gas Works   |
| 2:00-4:00PM<br>This panel discussion will concentrate on an early look at the prospects for energy legislation in the 112th Congress. The panel will discuss the following topics: <ul style="list-style-type: none"> <li>• Impact of Republican takeover of the House</li> <li>• Impact of new committee chair on House Energy and Commerce Committee</li> <li>• Clean Energy Standard --- is this the "new" Renewable Energy Standard?</li> <li>• Energy Efficiency Financing issues --- PACE, net loss reserve, revolving funds</li> <li>• ARRA or "stimulus" funding update;</li> <li>• Role of Tax Incentives in a more Centrist Congress</li> <li>• Prospect for smaller energy bills on selected issues: building codes, appliance standards</li> </ul> | 2:00 - 2:30PM<br><b>LEED Credentialing Maintenance</b><br>Kim Ilardi, LEED AP BD+C, Sustainable Industry Specialist, The Whiting-Turner Contracting Company   | 2:00 - 2:30PM<br><b>Complying with Energy Efficiency &amp; Conservation Block Grant (EECBG) Standards</b><br>John McMullan, Assistant Director, Community Development, Upper Darby Township                                  | 2:00 - 2:30PM<br><b>An Overview of Natural Gas Exploration and Production from the Marcellus Shale in Pennsylvania</b><br>Byron Nickerson, National Account Manager, Vice President, Science Applications International Corporation and Matthew D. Machusick, PG, Hydrogeologist, SAIC Energy, Environment & Infrastructure, LLC |
| <ul style="list-style-type: none"> <li>• Impact of Republican takeover of the House</li> <li>• Impact of new committee chair on House Energy and Commerce Committee</li> <li>• Clean Energy Standard --- is this the "new" Renewable Energy Standard?</li> <li>• Energy Efficiency Financing issues --- PACE, net loss reserve, revolving funds</li> <li>• ARRA or "stimulus" funding update;</li> <li>• Role of Tax Incentives in a more Centrist Congress</li> <li>• Prospect for smaller energy bills on selected issues: building codes, appliance standards</li> </ul>  | 2:30 - 3:00PM<br><b>Portfolio Manager: ENERGY STAR's Building Rating Tool</b><br>Emily Linn, Environmental Protection Specialist, U.S. EPA Region 3   | 2:30 - 3:00PM<br><b>Facility Management's Role in Global Sustainability</b><br>Marc Liciardello, Second Vice Chairman, International Facility Management Association and Vice President, Corporate Services, ARAMARK         | 2:30 - 3:00PM<br><b>Why Natural Gas Vehicles</b><br>Mike Cecere, Business Development Manager, Clean Energy  |
| <b>Panelists:</b><br>Joy Bergey, Federal Policy Manager, Citizens for Pennsylvania's Future<br><br>David B. Calabrese, Senior Vice President, Policy, Air-Conditioning, Heating and Refrigeration Institute  | 3:00 - 3:30PM<br><b>LEED EBOM: Tools for Success</b><br>Aaron Dahlstrom, P.E., LEED AP, In Posse - A Subsidiary of AKF  | 3:00 - 3:30PM<br><b>Creating a Smart Electricity Grid to Further Your Alternative Energy Goals</b><br>Will Agate, Vice President, Navy Yard Management & Development, Philadelphia Industrial Development Corporation (PIDC) | 3:00 - 3:30PM<br><b>Microturbines for Energy Efficiency, Demand Reduction and Energy</b><br>Jim Crouse, Executive Vice President, Sales & Marketing, Capstone Turbine Corporation  |
| Brad Penney, Director of Government Relations, Alliance to Save Energy<br><br>Robert Wilkins, President, Danfoss   | 3:30 - 4:00PM<br><b>"LEED for New Construction vs. LEED for Healthcare" - A Case Study</b><br>Jason E. Fierko, P.E., C.E.M., LEED AP, Lead Mechanical Engineer, Ewing Cole<br><br>4:00 - 4:30PM<br><b>Green Globes Building Rating System</b><br>Kevin Stover, Commercial Program Consultant, Green Building Initiative | 3:30 - 4:00PM<br><b>Cost Effective Carbon Reduction Strategies</b><br>Steven F. Miller, P.E., Vice President, Product Development, Mondre Energy, Inc.   | 3:30 - 4:00PM<br><b>GTI Gas End Use Technology Advancements</b><br>Ted Conway, Account Executive, Northeast Gas Association/GTI  |

**EXHIBIT HALL NETWORKING RECEPTION**

**Wednesday, March 30th / 4:00-6:00PM / Exhibit Hall E**

Join AEE and reception co-hosts Philadelphia Gas Works and Reliant Energy for the networking reception where you can share ideas with a number of the industry's key experts. All GLOBALCON conference and seminar attendees, speakers, and exhibitors are invited to this reception. networking reception will be held in Exhibit Hall E.

Reception Co-Hosts





**CWEEL** is a division of the Association of Energy Engineers with the goals of providing representation of women in industry related policy issues, securing a future in energy related technical fields for women by supporting training, education, and mentoring of young girls and women, and contributing to the advancement of women in leadership positions throughout the industry.

### FREE BREAKFAST

**Thursday, March 31st / 7:30-9:00am / Room 119A**

#### Energy Use in the Current Economy

Dr. William Dunkelberg, Professor of Economics, Temple University; Chief Economist for the National Federation of Independent Business

#### How Energy Policy Can Shape Your Career Path

Catherine Luthin, President, Luthin Associates; Chair and Manager, Consumer Power Advocates (CPA); Member Mayor Bloomberg's New York City Energy Policy Task Force

### NETWORKING & FUNDRAISING RECEPTION

**Thursday, March 31st / 4:00-6:00PM**

**Outside Hall E / Free to CWEEL Members / \$30 for all others / Join CWEEL and come as our guest!**

Reception Co-Hosts



## THURSDAY CONFERENCE PROGRAM MARCH 31, 2011 / 9:00-11:00AM

### Speaker/Press Room 121B

| <b>Track 1: Policy</b><br>Session 1B: Deregulation: Critical Issues Forum<br>Room 126A   | <b>Track 2: Buildings</b><br>Session 2B: Future of Building Energy Codes & Demand Response Programs<br>Room 125  | <b>Track 3: Green Energy &amp; Carbon Reduction</b><br>Session 3B: CHP<br>Room 124   | <b>Track 4: Energy Management</b><br>Session 4B: Best Practices in Energy Management<br>Room 123   |
|--|--|--|--|
| <b>Chair:</b> Richard J. Costello, P.E., M.S.E.M., B.S.M.E., C.E.M., President, Acela Energy Group, Inc.   | <b>Chair:</b> Laurie Wiegand-Jackson, C.E.P., President, North America Power Partners, LLC   | <b>Chair:</b> Jim D. Freihaut, Director, Mid-Atlantic Clean Energy Application Center, Pennsylvania State University   | <b>Chair:</b> Randolph L. Haines, C.E.M., C.L.E.P., C.M.V.P., B.E.P., C.S.D.P., Energy Manager, Thomas Jefferson University  |
| 9:00 - 9:30AM<br><b>The Effect of Natural Gas Prices on The Energy Procurement Process</b><br>Richard J. Costello, P.E., M.S.E.M., B.S.M.E., C.E.M., President, Acela Energy Group, Inc. | 9:00 - 9:30AM<br><b>Demand Response Programs at PJM Interconnection</b><br>Susan Covino, Senior Consultant, Market Strategy, PJM Interconnection, LLC  | 9:00-11:30AM<br><b>Regional Impact of Marcellus Shale on CHP</b><br>Seth Blumsack, Department of Energy & Mineral Engineering, Assistant Professor, Pennsylvania State University  | 9:00 - 9:30AM<br><b>Sustainability Program at Christiana Care Health System</b><br>Robert Mulrooney, P.E., Vice President, Facilities & Services, Christiana Care Health System          |
| 9:30 - 10:00AM<br><b>Pennsylvania Update on Competitive Power Choice</b><br>Kenneth Antos, C.E.P., Vice President - Sales, World Energy  | 9:30 - 10:00AM<br><b>Basics of Energy Management: Using Demand Response</b><br>Ron Marinelli, Director of Facilities / Energy Manager, Lopatcong School District   | <b>Market Potential of CHP in Region</b><br>Bruce A. Hedman, Vice President, ICF International<br><br><b>Fundamentals of CHP</b><br>Richard S. Sweetser, President, Exergy Partners  | 9:30 - 10:00AM<br><b>Future Trends in Energy Management</b><br>Gary D. Hogsett, P.E., LC, C.E.M., LEED AP, Senior Energy Engineer, Mid-America Manufacturing Technology Center           |
| 10:00 - 10:30AM<br><b>Customer Choice - From a Customers View</b><br>David G. Benton, Vice President and General Manager, The Rittenhouse Hotel & Condominium Residences                 | 10:00 - 10:30AM<br><b>Update on Energy Codes</b><br>Cosimina Panetti, C.E.M., LEED AP, Advocacy Director, Building Codes Assistance Project, Alliance to Save Energy   | <b>What Makes a Good CHP Project</b><br>Gearoid Foley, President, Integrated CHP Systems Corp.<br><br><b>Smart Grid at the Navy Yard</b><br>Robert G. Gorgone, Director of Energy and Sustainability, Philadelphia Industrial Development Corporation (PIDC) | 10:00 - 10:30AM<br><b>Operational Training and Improvement at NYU</b><br>John A. Bartlik, P.E., C.E.M., C.E.P., C.E.A., LEED AP, Director of Energy Services, NYU Langone Medical Center |
| 10:30 - 11:00AM<br><b>Managing Risks &amp; Rewards in Deregulated Energy Markets</b><br>David Braun, Vice President, PJM, GDF Suez Energy Resources NA                                   | 10:30 - 11:00AM<br><b>NEEP's Building Energy Codes Project: Implementing Building Design Policies</b><br>Carolyn Sarno, Senior Program Manager, High Performance Buildings, Northeast Energy Efficiency Partnerships<br><br>11:00 - 11:30AM<br><b>Integrated Strategies to Help Facility Managers Prepare for Looming Demand Response Changes</b><br>Jay Crookston, Vice President of Sales, EnergyConnect, Inc. | <b>New Jersey Energy Master Plan</b><br>Joseph Sullivan, Director, Division of Economic Development & Energy Policy, State of New Jersey, Board of Public Utilities  | 10:30 - 11:00AM<br><b>E=MC<sup>2</sup> (Efficiency = Measurement X Culture Change<sup>2</sup>)</b><br>Scott Kelly, AIA, LEED AP, Co-Founder & Principal, Re: Vision Architecture         |

### AEE GREATER PHILADELPHIA CHAPTER LUNCHEON

**THURSDAY, MARCH 31ST / 12:00NOON / ROOM 119A**

Join us for a luncheon, chapter meeting and presentation from Pennsylvania State Representative Chris Ross.

Representative Ross will give attendees an update on current and upcoming energy legislation that could affect companies doing business in Pennsylvania. This event is free for paid GLOBALCON conference attendees and \$20 for at door admission. Please bring your lunch ticket directly to this room for the meeting.

### SMART PHONE APP FOR SHOW PLANNING



Conference attendees, exhibitors, speakers, and exhibit hall visitors can utilize an innovative new show planning feature we've added to the GLOBALCON event! The Grupio App is a Smartphone application that works with iPhone, iPad, Android, and BlackBerry (supported on Blackberry Touch devices only: Storm 1, Storm

2, and the Torch). Attendees can access conference session details, important show updates, the daily schedule of events, exhibitors, special events, the floor plan and other important show information right from their phone. For iPhone: Go to the iTunes App store, search Grupio. Once installed on your phone, view Featured Event: Globalcon

For other devices Go to: Android Marketplace or Blackberry App World to Download. Search for app "Grupio" and view Featured Event: Globalcon.

# THURSDAY CONFERENCE PROGRAM

## MARCH 31, 2011 / 2:00-4:00PM

### Speaker/Press Room 121B

| Track 1: Policy<br>Session 1C: The Future of Energy Policy<br>Room 126A   | Track 2: Buildings<br>Session 2C: Building Energy Efficiency & Carbon Reduction<br>Room 125  | Track 3: Green Energy & Carbon Reduction<br>Session 3C: Alternative Fuel Vehicles/Biodiesel<br>Room 124   | Track 4: Energy Management<br>Session 4C: Gas & Electric Markets<br>Room 123  |
|---|--|---|---|
| <b>Chair:</b> Daniel W. Allegretti, Vice President of Energy Policy, Constellation Energy   | <b>Chair:</b> Nick J. Stecky, C.E.M., LEED AP, President, NJS Associates, LLC  | <b>Chair:</b> Sarah Wu, Electric Vehicles Project Manager, City of Philadelphia, Mayor's Office of Sustainability   | <b>Chair:</b> Stephen Boyle, Manager, Regulatory & Legislative Affairs, PJM Interconnection, LLC  |
| 2:00 - 2:30PM<br><b>The Future of Energy Policy – Introduction</b><br>Daniel W. Allegretti, Vice President of Energy Policy, Constellation Energy         | 2:00 - 2:30PM<br><b>Synergies between the International Green Construction Code, LEED &amp; Carbon Reduction</b><br>Jason Kliwinski, AIA, LEED AP, Director of Sustainable Design, Spiegle Architectural Group, Inc. | 2:00 - 2:30PM<br><b>Bringing Electric Vehicles to Philadelphia</b><br>Sarah Wu, Electric Vehicles Project Manager, City of Philadelphia, Mayor's Office of Sustainability | 2:00 - 2:30PM<br><b>Potential Impacts to PJM's Wholesale Electricity Markets from EPA Regulations</b><br>Paul Sotkiewicz, Ph.D., Chief Economist, Markets, PJM Interconnection, LLC |
| 2:30 - 3:00PM<br><b>The Future of Energy Policy for the State of Pennsylvania</b><br>Robert F. Powelson, Chairman, Pennsylvania Public Utility Commission | 2:30 - 3:00PM<br><b>ASHRAE Standard 189.1 Overview</b><br>Bill Amann, P.E., LEED AP, President, M&E Engineers, Inc.  | 2:30 - 3:00PM<br><b>CNG Fueling Options</b><br>Joseph O'Neill, Transportation Program Specialist, NC Solar Center at NC State University                                  | 2:30 - 3:00PM<br><b>Options Available to End Users for Purchasing Electricity</b><br>Erik Paulson, Vice President, Wholesale Market Services, Customized Energy Solutions           |
| 3:00 - 3:30PM<br><b>A National &amp; Regional Perspective</b><br>Glen Thomas, President, GT Power Group   | 3:00 - 3:30PM<br><b>Renewable Energy Opportunities for Buildings</b><br>Joseph Porrovecchio, C.R.M., LEED AP, Consultant, Carbon-Key, LLC  | 3:00 - 3:30PM<br><b>Alternative Fuels within the Transportation Sector</b><br>Tony Bandiero, Director, Greater Philadelphia Clean Cities                                  | 3:00 - 3:30PM<br><b>The Importance of the Energy Industry on America's Future</b><br>Joseph Fiordaliso, Commissioner, New Jersey Bureau of Public Utilities                         |
| 3:30 - 4:00PM<br><b>Panel Discussion</b>  | 3:30 - 4:00PM<br><b>Panel Discussion</b>   | 3:30 - 4:00PM<br><b>Overview of Natural Gas Vehicles</b><br>Gregory Woloszczuk, Manager, Strategic Marketing and Business Development DTE Energy / MichCon                | 3:30 - 4:00PM<br><b>Impacts of Marcellus Shale Gas Exploration on Gas Supply</b><br>David J. Spigelmyer, Vice President, Government Relations, Chesapeake Energy Corporation        |

## Wednesday, March 30th & Thursday, March 31st Daily Events

### CONFERENCE ATTENDEE NETWORKING LUNCHEON

Wednesday, March 30th and Thursday, March 31st / 12:00noon / Exhibit Hall E Luncheon Area  
All paid conference delegates are welcome as well as attendees who have pre-purchased luncheon tickets.

### FREE: EXHIBITOR WORKSHOPS IN EXHIBIT HALL E

Wednesday, March 30th / 10:00AM-4:00PM and Thursday, March 31st / 10:00AM-2:00PM

As an attendee at GLOBALCON you are invited to learn about the latest new products, services and solutions by attending the interactive 20 minute Exhibit Hall Workshop presentations. There will be two areas located in the back of the expo hall labeled "Presentation Area 1" and "Presentation Area 2". Please refer to the signage in the workshop presentation area for the complete schedule of topics, speakers, and times.

## AEE THANKS THE FOLLOWING SPONSORS AND CO-HOSTS

#### Reception Co-Hosts



New Technologies  
Breakfast Sponsor

Lanyard Sponsor



Bag Sponsor



Official Smart Phone App Sponsor



REC's & Northeast  
Green Cosponsor



SEE YOU NEXT YEAR FOR THE 23RD GLOBALCON CONFERENCE  
March 7-8, 2012 / Atlantic City Convention Center / Atlantic City / New Jersey