

Preliminary Agenda
**Industrial Energy Efficiency and Competitiveness:
Opportunities for Job Creation and Growth**

Sponsored by:
Association of State Energy Research and Technology Transfer Institutions
Co-Sponsors: Energy Industries of Ohio, U.S. Department of Energy,
National Association of State Energy Officials, Midwestern Governors Association

October 4-5, 2011 – Cleveland, Ohio
Renaissance Cleveland Hotel

Tuesday, October 4, 2011

8:30 a.m. **Welcome and Opening Remarks**

- David Terry, Executive Director ASERTTI / NASEO
- Robert Purgert, Energy Industries of Ohio
- Representative, Midwestern Governors' Association

8:45 a.m. **Industrial Efficiency and Competitiveness – Engine of Job Creation**

This session will set the stage for the meeting and discussions by providing examples of industrial efficiency programs and offer constructive policy and market-oriented ideas to drive costs down, reduce emissions, and move energy efficiency forward.

Moderator:

- David Terry, Executive Director ASERTTI / NASEO

Presenter:

- James Bradbury, World Resources Institute

9:30 a.m. **Driving Industrial Implementation – Federal and State Programs in Action**

Federal and State industrial efficiency programs have made great strides through a collaborative approach with industry partners. This session offers views and lessons learned from three private sector efficiency implementation leaders.

Moderator: Larry Boyd, Energy Industries of Ohio

Presenters:

- Anthony Sutor, Ohio Energy Resources Division
- Klaus-Markus Peters, Fireline, Inc.
- Richard Loth, Clow Water Systems

10:30 a.m. ***Networking Break***

- 11:00 a.m. **Driving Demand for Combined Heat and Power – Market Trends**
The opportunities for CHP continue to grow. This session highlights experiences of leaders actively promoting CHP, moving technical understanding forward, and helping end-users in the market understand the economic benefits and options to enhance competitiveness and power reliability.
- Moderator:* Lee DeBaillie, Energy Center of Wisconsin
Presenters:
- John Cuttica, Energy Resources Center, University of Illinois – Chicago
 - Representative, American Electric Power
 - Alexis Cain, U.S. Environmental Protection Agency
- 12:00 **Keynote Luncheon – Jennifer Kefer, Alliance for Industrial Efficiency**
- 1:30 p.m. **Promoting Efficiency and Investments – Making the Case for Action**
- Moderator:* David Terry, ASERTTI / NASEO
Presenters:
- Representative, The Dow Chemical Company
 - Joe Ghislain, Ford Motor Company, Compressed Air Challenge
- 2:30 p.m. **Industrial Assessment Centers – Energy Assessments for Business and Training the Next Generation of Energy Savvy Engineers**
- Moderator:* John Cuttica, Energy Resources Center, University of Illinois, Chicago
Presenters:
- Jeremy Smith, University of Dayton
 - Dr. Bhaskaran Gopalakrishnan, West Virginia University
 - Brian LaFrence, University of Michigan
- 3:30 p.m. **Break**
- 3:45 p.m. **RD&D Program Roundtable:
State and Utility Industrial Efficiency Programs and Priorities**
- Moderator:* Representative, Gas Technology Institute
Presenters:
- Casey Randolph, West Virginia Division of Energy
 - Representative, Advanced Energy
 - Stacey Paradis, Midwest Energy Efficiency Alliance
- 5:00 p.m. ***Adjourn for the Day***
- 5:30 p.m. ***Networking Reception***

Wednesday, October 5, 2011

8:00 a.m. **Review of Previous Day's Sessions and the Day's Agenda**

Presenter:

- David Terry, ASERTTI / NASEO
- Representative, Midwestern Governors Association

8:15 a.m. **National Industrial Efficiency Framework – Supporting Industrial Competitiveness and Innovation from R&D to SEE Action**

Moderator: Craig Butler, Office of Governor Kasich

Presenters:

- Sandy Glatt, U.S. Department of Energy
- Representative, U.S. Department of Energy National Laboratories
- Representative, U.S. Environmental Protection Agency

9:15 a.m. **Industrial Competitiveness Policy Roundtable: (concurrent session): Job Creation, Technology Advancement, and Environmental Quality**

Moderator: Representative, Midwestern Governors' Association

Presenters:

- Cris Love, Washington State University

Steel and Aluminum Forging Industries Tour (concurrent session)

- ArcelorMittal Educational Tour
- Alcoa Educational Tour

10:15 a.m. **State Energy and Economic Development – Case Studies Manufacturing Retooling and Investment: How States are Leading on Economic Development through Energy**

Moderator: David Terry, NASEO/ASERTTI

Presenters:

- Bill Nesmith, National Association of State Energy Officials
- Representative, Michigan State Energy Office
- Representative, Ohio Energy Resources Division

11:15 a.m. **Outlook for Federal Legislation and Funding for Industrial Efficiency**

- David Terry, ASERTTI / NASEO

11:45 a.m. **Conclude Industrial Efficiency and Competitiveness Meeting**

ASERTTI Fall Meeting Begins at Noon



Preliminary Agenda
ASERTTI 2011 Fall Meeting
Hosted by Energy Industries of Ohio

Wednesday, October 5, 2011

12:00 p.m. **Opening Remarks and Networking Lunch**

- David Terry, Executive Director, ASERTTI
- Robert Purgert, President, Energy Industries of Ohio
- Frank Murray, Chair, ASERTTI; President and CEO, New York State Energy Research and Development Authority
- *Incoming ASERTTI Chair*

1:00 p.m. **Overview of Energy Industries of Ohio: Programs, Opportunities, and Outlook**

Energy Industries of Ohio has led critical research, demonstration, and training programs.

- Robert Purgert, President, Energy Industries of Ohio

2:00 p.m. ***Break***

2:15 p.m. **Woody Biomass Emissions Study and Calculator – 15 GHG Friendly Practices for Woody Biomass**

This presentation will provide an in-depth look at the groundbreaking study overseen by the Olympic Region Clean Air Agency (ORCAA) conducted by the Stockholm Environment Institute quantified air pollutant emissions from 15 viable alternative practices for using or disposing of woody biomass. The results compare emissions from transporting and processing woody biomass as well as avoided emissions from the displacement of any existing products. This session will cover both the emissions calculator and final report resulting from the study.

3:15 p.m. **Updates from ASERTTI Members and Partners – Networking and New Ideas**

Our annual update session is arguably one of the most valuable elements of the fall meeting. The session is a fast paced, informal series of presentations and remarks from ASERTTI members and others attending the meeting that utilize this opportunity to share their most interesting and recent projects and program

ideas. It is also a time when members solicit interest from others in forming new collaborative projects. Come prepared to speak up, enjoy refreshments, and participate in the discussion.

4:30 p.m. **ASERTTI Executive Committee Meeting**
(All ASERTTI members are encouraged to attend)

6:30 p.m. **Organized Dinner Networking Event** (Included in Registration)

Thursday, October 6, 2011

8:30 a.m. **Top Ten USA – Rating Appliance and Consumer Product Efficiency**
This presentation will showcase *TopTen USA*, a nonprofit that identifies and publicizes the most energy-efficient products on the market today – making it easy for consumers to find the *most* energy- and money-saving models, which in turn encourages manufacturing innovation. Modeled after organizations located in 16 different European countries, TopTen USA intends to transform the American market and aid in tackling mitigating climate, energy and economic challenges.

9:15 p.m. **Technology Commercialization and Economic Development: Linking State Investment Funds with Energy Technology Institutions and Entrepreneurs**

10:15 p.m. **Networking Break**

10:45p.m. **Groundbreaking Solar Mapping – How LIDAR Data is Opening Rooftop Solar Markets**

Like sophisticated wind resource mapping, solar mapping has come a great distance in the past five years. This session presents one company’s innovative technological answer to opening solar markets. Geostellar models the local availability of solar resources in high spatial and temporal resolution, then computes the proximity and capacity of infrastructure, regulations, land use and value, markets and economics to produce actionable, location-specific insights. This session explains the underlying data and assumptions, and provides a real time demonstration of this application in major cities.

- Representative, Geostellar, Inc.

12:00 p.m. **Keynote Luncheon: American Leadership in PV Research and Manufacturing**

What are the key milestones in the race for leadership in PV research and manufacturing as global competition for clean energy intensifies? This keynote session offers the unique insights of a world leader in PV – First Solar, Inc., – which is set to have sales of over \$3.5 billion in 2011. The company’s R&D center, based in Northwest Ohio continues to set cell efficiency records and is also setting the industry benchmark for environmentally responsible product life cycle management.

- Representative, First Solar, Inc.

1:30 p.m. **Energy Storage and Grid Integration: Advances and Priorities in Overcoming Technical and Cost Barriers**

As utilities integrate greater amounts of variable renewable resources solutions to provide flexibility are essential. Advances in technology and expansion in production capacity have reduced the price of some energy storage technologies, bringing them to the verge of cost-effectiveness. However, their cost-benefit relationship remains marginal. This session provides an in-depth look at a number of highly visible projects and consortia efforts that are moving storage solutions forward.

- Barbara Tyran, Electric Power Research Institute
- Representative, New York Battery and Storage Technology Consortium

2:30 p.m. **Transportation Alternatives – Infrastructure and Partnerships**

Significant federal and state investment has been made over the past several years – particularly in the form of stimulus funding – in alternative transportation fuels and vehicles. For example, a growing list of auto companies are offering electric vehicles, a number of private firms working with states and cities to expand natural gas fueling infrastructure for heavy duty vehicles, and biofuels evolve and gain market share. This session will look at national collaborative efforts to expand alternative fuel use and infrastructure and examine new guidelines developed for electric vehicle infrastructure planning and development.

- Sam Spofforth, Executive President, Transportation Energy Partners (*invited*)
- Representative, Advanced Energy

3:30 p.m. **Clean Energy Research Center – Michigan’s Oakland University**

This in-depth presentation and discussion session shares how Oakland University’s Clean Energy Research Center (CERC) is expanding clean energy technology commercialization opportunities. CERC showcases multiple, clean energy research, development, and educational activities in Michigan, and cultivates entrepreneurial work within the Michigan R&D community to help transfer and commercialization new energy technologies.

- Amy Butler, Executive Director, Clean Energy Research Center, Oakland University

4:30 p.m. **Update on ASERTTI Programs, New Initiatives, and Staff Roles**

- David Terry, Executive Director, ASERTTI
- Program Director, ASERTTI

5:00 p.m. ***Adjourn***