

New Energy. New Jobs. New Opportunities for Appalachia.

October 26–28, 2009 • Athens, Ohio



On behalf of the Appalachian Regional Commission (ARC) and the State of Ohio, we welcome you to Athens and the **New Energy, New Jobs, New Opportunities for Appalachia** conference.

We are pleased to be the co-hosts of this conference, which will examine the economic opportunities presented by the growing demand for clean energy and efficient energy use. Energy experts and professionals will explore strategies on how to grow green enterprises, develop energy-efficient infrastructure, and build new-energy education and training programs.

You will also have the opportunity to see alternative energy technologies in action at local sites where alternative energy sources are being developed or used.

We are confident the conference will give you ideas and strategies for new-energy programs that will help promote and strengthen business and grow green jobs in your community.

We hope you will enjoy your stay here in Athens and take time to enjoy this historic college town with its bountiful arts and cultural attractions, innovative restaurants and year-round farmers' market, and lively shopping scene.

We wish you a meaningful and enjoyable conference experience.



Anne B. Pope
ARC Federal Co-Chair



Ted Strickland
Governor of Ohio
2009 ARC States' Co-Chair

Welcome



Agenda

Monday October 26, 2009

1:00 p.m.–7:00 p.m.

Registration Desk Open

*Margaret M. Walter Hall Rotunda
Lobby*

5:30 p.m.–6:30 p.m.

Opening Reception

Margaret M. Walter Hall Rotunda

Pam Benoit

*Executive Vice President and Provost,
Ohio University*

Ohio Governor Ted Strickland

2009 ARC States' Co-Chair

Anne B. Pope

ARC Federal Co-Chair

Tuesday October 27, 2009

6:15 a.m.–7:30 a.m.

5K Fun Run/Walk

*The 5K Fun Run/Walk will follow a
3.1-mile route along the Ridges Trails
in Athens. Meet in the lobby of the
Ohio University Inn and Conference
Center at 331 Richland Avenue.*

7:00 a.m.–Noon

Registration Desk Open

*Baker University Center Grand
Ballroom Lounge (4th Floor)*

7:30 a.m.–8:30 a.m.

Buffet Breakfast

*Baker University Center Grand
Ballroom (4th Floor)*

8:30 a.m.–9:15 a.m.

Welcome and Opening Remarks

*Baker University Center Grand
Ballroom (4th Floor)*

Debbie Phillips

*Ohio State Representative,
92nd District*

Ohio Governor Ted Strickland

2009 ARC States' Co-Chair

Anne B. Pope

ARC Federal Co-Chair

9:15 a.m.–10:00 a.m.

Keynote Address

*Baker University Center Grand
Ballroom (4th Floor)*

James E. Rogers

*Chairman, President, and Chief
Executive Officer, Duke Energy*

10:00 a.m.–10:15 a.m.

Break

10:15 a.m.–11:45 a.m.

Concurrent Sessions:

**Best Practices in the New-Energy
Economy I**

*All concurrent sessions are in the
Baker University Center (BUC).*

Energy-Efficient Infrastructure: Buildings

BUC, Theater (2nd Floor)

Investing in the energy efficiency of buildings can result in tremendous economic savings and significant environmental benefits. This session will showcase proven approaches that meet the latest energy-efficiency standards, including U.S. Green Building Council LEED certification standards and Energy Star standards. Highlighted projects will include facilities renovation, new construction, and green schools.

Moderator:

Molly Theobald

Program Analyst, Appalachian Regional Commission

Panelists:

Dennis Maloskey

Director of Sustainable Engineering and Development, Governor's Green Government Council, Pennsylvania

Adele Schirmer

Director, Engineering and GIS Department, Town of Blacksburg, Virginia

Brenda Stokes

Director of Construction, Bibb County Schools, Georgia

Growing Green Enterprises

BUC, Room 242

Promoting the creation and expansion of cleantech businesses can spur job creation in Appalachia while reducing pollution, waste, and resource use. This panel will showcase best-practice programs that support the growth of cleantech entrepreneurs, including entrepreneurial training, green business incubators, and investment funds for cleantech businesses.

Moderator:

David Hughes

Business Development Analyst,
Appalachian Regional Commission

Panelists:

Marten R. Jenkins

President and CEO, Natural Capital Investment Fund, West Virginia

Melinda Richter

Executive Director, Environmental Business Cluster, California

Bob Wilson

2009 Director, Energy Business Bootcamp, Kentucky Highlands Investment Corporation

New-Energy Education and Training Programs

BUC, Room 240

Many training, education, and certification programs for jobs in renewable energy and energy-efficient technologies are currently in place at community and technical colleges, vocational/high schools, and four-year institutions in Appalachia. Presenters will discuss how and why programs were started, the role of local partners, and sources of funding and other resources, as well as successes and setbacks. *(Session will be repeated on Wednesday.)*

Moderator:

Jeff Schwartz

Education Program Manager,
Appalachian Regional Commission

Panelists:

Allan M. Gentry

Chair, Technology Department,
Cleveland State Community College,
Tennessee

Douglas R. Keaton Sr.
Director of Career and Technology
Education, National Energy
Education Development Project,
Virginia

**Hilkat Soysal, Instructor/
Oguz A. Soysal, Professor**
Department of Physics and
Engineering, Frostburg State
University, Maryland

Wind-Powering Appalachia
*BUC, Multicultural Center
Multipurpose Room (2nd Floor)*

Wind power is an abundant, cost-competitive energy resource that can help Appalachia meet growing energy demands while protecting the environment. In this session, opportunities for developing this renewable energy resource and rich source of new jobs will be discussed.

Moderator:
Carole Womeldorf
Assistant Professor, Department
of Mechanical Engineering, Russ
College of Engineering and
Technology, Ohio University

Panelists:
Brandon R. Blevins
Wind Program Coordinator, Southern
Alliance for Clean Energy, Tennessee

Additional panelists to be announced.

11:45 a.m.–Noon
Break

Noon–1:15 p.m.
Lunch and Presentation
*Baker University Center Grand
Ballroom (4th Floor)*

**New Strategies for Community
Development and Energy Efficiency**

Introduction:
Mark R. Shanahan
Ohio Governor's Energy Advisor
and Executive Director, Ohio Air
Quality Development Authority

Speaker:
Dennis Creech
Co-Founder and Executive Director,
Southface Energy Institute, Georgia

1:15 p.m.–2:45 p.m.
Concurrent Sessions:
**Best Practices in the New-Energy
Economy II**
*All concurrent sessions are in the
Baker University Center (BUC).*

The Growth of Green Communities
BUC, Room 242

Many communities are looking to develop homegrown approaches to energy efficiency and renewable energy use and production. Panelists in this session will discuss successful programs in biofuels, energy efficiency, and wind power that involve county government, municipal government, and countywide school systems.

Moderator:
Scott Miller
Director, Energy and Environmental
Programs, Voinovich School of
Leadership and Public Affairs,
Ohio University

Panelists:
Steve Garrison
County Manager, Madison County,
North Carolina

Elahu Gosney
Council Member, Athens City
Council, Ohio

Tony Petelos
Mayor, City of Hoover, Alabama

Energy-Efficient Infrastructure: Water and Wastewater Systems

BUC, Room 240

Using energy-efficiency measures in water and wastewater facilities can reap many rewards, including financial savings, reduced water and energy consumption, and conservation of community resources. In this panel, experts from government and private industry will share their experiences and approaches.

Moderator:

Molly Theobald

Program Analyst, Appalachian Regional Commission

Panelists:

Bob Freeman

Environmental Reviewer and Decentralized Wastewater Treatment Systems Coordinator, U.S. Environmental Protection Agency, Region 4, Georgia

Kathleen O'Connor

Project Manager, Environmental Research and Development Program, New York State Energy Research and Development Authority

Mark L. Pickering

Senior Project Manager, Gannett Fleming, Inc., Pennsylvania

Coal and Clean-Energy Production

*BUC, Multicultural Center
Multipurpose Room (2nd Floor)*

What is the future for power generation from coal? Panelists will discuss recent developments and future prospects for new technologies that reduce carbon emissions from coal-burning plants, including co-firing with biomass, integrated

gasification combined cycle (IGCC), and carbon sequestration technologies.

Moderator:

David Carrier

Economist, Appalachian Regional Commission

Panelists:

Dale Arnold

Director, Energy Services, Ohio Farm Bureau Federation

Scott Doron

Director, Southern Technology Council, Southern Growth Policies Board, North Carolina

Jerald J. Fletcher

Professor of Energy, Environmental, and Natural Resource Economics, West Virginia University

Mark Gray

Vice President of Engineering Services, American Electric Power, Ohio

Federal Energy Programs to Support Green Job Development

BUC, Theater (2nd Floor)

Federal funding opportunities to support the development of green jobs in Appalachia, including American Recovery and Reinvestment Act of 2009 stimulus programs, will be discussed by representatives from federal agencies. Highlighted programs will include the Rural Energy for America Program, the Energy Efficiency and Conservation Block Grant Program, and Energy Training Partnership Grants.

Moderator:

Katie Whiteman

Regional Planner, Appalachian Regional Commission

Panelists:

Randy Monhemius
Business Program Specialist, USDA
Rural Development, Ohio

Peter M. Roehrig
Special Assistant, Office of Energy
Efficiency and Renewable Energy,
U.S. Department of Energy,
Washington, D.C.

Byron Zuidema
Regional Administrator, Region V
Office, DOL Employment and
Training Administration, Illinois

3:00 p.m.–5:00 p.m.

Visits to Energy-Related Sites

Participants can choose one of three site visits. Shuttle buses will depart from the Baker University Center and will return to the Baker University Center and the conference hotels after the site visits.

Alternative Fuels Sites

Logan, Ohio
Hocking College Energy Institute
and Chieftain BioFuels, LLC.

Business Innovation Center and Energy Sites

Athens, Ohio
Third Sun Solar and Wind Power,
Ltd.; Sunpower, Inc.; and the
Innovation Center, Ohio University's
business incubator.

Alternative Energy Project Sites

Athens, Ohio
Ohio University's solid oxide fuel cell
research facility, biomass gasification
research facility, and electrostatic
precipitation research facility; and
the university's Ohio Ecohouse.

5:30 p.m.

**Shuttle buses depart from
conference hotels for the reception
at the Dairy Barn Arts Center.**

5:45 p.m.–7:00 p.m.

**Reception at the Dairy Barn
Arts Center**

7:00 p.m.–10:00 p.m.

**Dinner on Your Own/Athens
Dine-Around**

Shuttle bus transportation between
reception, Dine-Around restaurants,
and conference hotels will be available.

Wednesday October 28, 2009

7:30 a.m.–8:30 a.m.

Buffet Breakfast

*Baker University Center Grand
Ballroom (4th Floor)*

8:30 a.m.–10:00 a.m.

**Plenary Session: Speaker and
Panel Presentation**

New Ventures in the New-Energy Economy: Growing Green Entrepreneurs and Jobs

*Baker University Center Grand
Ballroom (4th Floor)*

A plenary address on promoting
new-energy entrepreneurship,
creating green jobs, and investing
in the cleantech industry will be
followed by a panel of new-energy
entrepreneurs discussing how they
developed products, found markets,
financed their companies' growth,
and created homegrown "green-
collar" jobs in Appalachia.

Introduction:

Robert J. Boggs

Director, Ohio Department
of Agriculture

Speaker and Panel Moderator:

David Wilhelm

Founder and Partner, Adena
Ventures, Ohio

Panelists:

Dale Freudenberger

Chief Operating Officer and
Founding Partner, FLS Energy,
North Carolina

Neill Lane

President, Global Cooling, Inc., Ohio

Brandon Minix

Co-Owner and Vice President of
Sales, Midwestern Biofuels, LLC,
Kentucky

10:00 a.m.–10:15 a.m.

Break

10:15 a.m.–11:45 a.m.

Concurrent Sessions:

**Best Practices in the New-Energy
Economy III**

*All concurrent sessions are in the
Baker University Center (BUC).*

**New-Energy Education and
Training Programs**

BUC, Theater (2nd Floor)

Many training, education, and certification programs for jobs in renewable energy and energy-efficient technologies are currently in place at community and technical colleges, vocational/high schools, and four-year institutions in Appalachia. Presenters will discuss how and why these programs were started, the role of local partners, and sources of

funding and other resources, as well as successes and setbacks. (*Repeat of Tuesday's session.*)

Moderator:

David Hughes

Business Development Analyst,
Appalachian Regional Commission

Panelists:

Allan M. Gentry

Chair, Technology Department,
Cleveland State Community College,
Tennessee

Douglas R. Keaton Sr.

Director of Career and Technology
Education, National Energy
Education Development Project,
Virginia

**Hilkat Soysal, Instructor/
Oguz A. Soysal, Professor**

Department of Physics and
Engineering, Frostburg State
University, Maryland

Renewable-Energy Options

BUC, Room 240

A wide range of renewable-energy technologies are in use throughout Appalachia, including energy production from biomass, fuel cells, solar power, geothermal sources, and waste-to-energy technologies. Panelists will discuss the prospects for further deployment of these technologies in Appalachia.

Moderator:

David Carrier

Economist, Appalachian Regional
Commission

Panelists:

Jerrold L. Hutton

Dean, Hocking College Energy
Institute, Ohio

Gerald I. Susman

Associate Dean for Research, Smeal College of Business, Pennsylvania State University

Facilitated Roundtable Discussion: Appalachian College Presidents

Green Facilities and New Curriculum Opportunities

BUC, Room 242

This session for college and university presidents and senior administration will explore the important role of the Appalachian Region’s institutions of higher education in helping the new-energy industry grow and prosper in Appalachia. The discussion will include current and future activities and trends, funding sources, the direct and indirect impacts of American Recovery and Reinvestment Act funds, and current issues and challenges.

Facilitators:

James F. McKenney

Vice President, Economic Development and International Programs, American Association of Community Colleges, Washington, D.C.

Jeff Schwartz

Education Program Manager, Appalachian Regional Commission

Facilitated Roundtable Discussion: Local Development District (LDD) Executive Directors

Green Communities and Local Development Strategies

BUC, Multicultural Center Multipurpose Room (2nd Floor)

This discussion for LDD executive directors and senior managers will

focus on the development of green communities and related strategies for growing new-energy jobs. The important role LDDs can play in creating such an environment will be examined, with the goal of generating ideas and potential strategies to benefit the Appalachian Region.

Facilitators:

Joe McKinney

Executive Director, Land-of-Sky Regional Council, North Carolina

Dan Neff

Director, Local Development District Program, Appalachian Regional Commission

Susan Reid

Executive Director, First Tennessee Development District

Noon–12:30 p.m.

Closing Session (Box lunch provided)

Margaret M. Walter Hall Rotunda

Opportunities for Local Communities

This session will provide a brief overview of the issues explored, best practices shared, and opportunities discussed in earlier conference sessions, and will take a look ahead at next steps for Appalachia’s communities.

Speaker:

Fred Deel

Director, Governor’s Office of Appalachia, Ohio

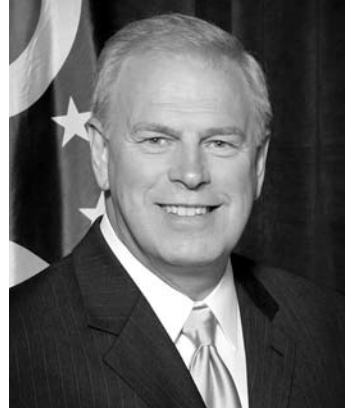
Speakers



Speakers

Ohio Governor Ted Strickland

Ted Strickland has served as Ohio's governor since January 2007. Last year he was chosen by his fellow Appalachian governors to serve as the Appalachian Regional Commission's 2009 states' co-chair. His priorities as governor have included improving education, expanding access to health care, and reducing property taxes for those on fixed incomes. He passed legislation guaranteeing health-care coverage to all Ohio children, and, in response to rapidly increasing tuition rates, he froze tuition for two years at Ohio's public colleges and universities to help make college more affordable for state residents. In July 2009, he signed a new education reform bill that changes the way schools teach to better prepare students for today's jobs.



Strickland has led the development of a strong and growing “new-energy economy” in Ohio, introducing and signing legislation that mandates that 25 percent of Ohio's electricity production come from advanced energy sources by 2025. He signed a \$1.57 billion state stimulus package aimed at creating tens of thousands of new jobs in growth sectors like advanced energy. He also secured funding to accelerate the construction of 250 new elementary, middle, and high schools in the state that are being built to meet nationally recognized energy-efficiency standards.

Strickland represented Ohio's Sixth Congressional District in the House of Representatives from 1992 to 1994, and from 1996 until his election as governor. He helped author the Children's Health Insurance Program, a federal initiative that provides health insurance to children of working parents. He also fought for adequate funding for the Appalachian Regional Commission and Appalachian counties.

A native of Lucasville, Ohio, Strickland received a bachelor's degree in history from Asbury College in 1963. He later earned a master's of divinity from Asbury Theological Seminary, and, in 1980, a doctorate in counseling psychology from the University of Kentucky. Prior to his election to Congress, his career included service as an administrator at a Methodist children's home and as an assistant professor of psychology at Shawnee State University.

ARC Federal Co-Chair Anne B. Pope

Anne B. Pope serves as the tenth federal co-chair of the Appalachian Regional Commission (ARC), an economic development partnership between the federal government and the governors of 13 states. Established by an act of Congress in 1965, ARC initiates economic and community development programs and serves as a key advocate for the 25 million people in the Appalachian Region. The Commission also oversees work on the 3,090-mile Appalachian Development Highway System, designed to connect the Region to the nation's transportation grid.



Now in her seventh year as federal co-chair, Pope has led the Commission in helping craft innovative strategies to boost the number of Appalachian high school graduates who go on to college; help communities better use their natural, cultural, structural, and leadership assets to foster economic growth; and build on the economic development opportunities offered by Appalachia's extensive energy resources, including renewable energy and energy-efficiency improvements. During her tenure the agency received its first budget increase in over ten years.

Pope served in the cabinet of Tennessee Governor Don Sundquist as commissioner of the Tennessee Department of Commerce and Insurance, a state regulatory agency with broad responsibilities for licensing and regulation of over 97 professions and commercial activities; and as the executive director of the Tennessee Film, Entertainment, and Music Commission, which supports development of the state's music recording and film industries.

In the private sector, Pope has served as president of Proffitt's of the Tri-Cities, Inc., a division of Saks, Inc., and prior to that as president/chief executive officer for the Parks-Belk Company, a department store group located in northeastern Tennessee. She worked also as an associate attorney with the firm Webster, Chamberlain, and Bean in Washington, D.C. Following law school, Pope clerked for U.S. District Judge James D. Todd in Jackson, Tennessee.

A graduate of Vanderbilt University and the Cumberland School of Law at Samford University, Pope is admitted to practice law in Tennessee and the District of Columbia. She grew up in Kingsport, Tennessee.

Speakers

Ohio State Representative Debbie Phillips



Debbie Phillips is serving her first term representing the 92nd District in the Ohio House of Representatives. The 92nd District includes areas of Athens, Meigs, Morgan, and Washington Counties and is home to Ohio University. As state representative, Phillips' priorities have included education and promotion of advanced energy opportunities to strengthen Ohio's economy. She serves as vice chair of the alternative energy committee and is a member of the health, education, insurance, and economic development committees. She has been a primary sponsor of legislation to create the Ohio Energy Resource Center at Ohio University's Voinovich Center for Leadership and Public Affairs, and to establish a distance-learning pilot project at Ohio's public high schools.

Prior to her election, Phillips represented the Fourth Ward on the Athens City Council. She chaired the council's Planning and Development Committee, which oversees proposed developments, subdivisions, and implementation of the Athens Comprehensive Plan.

A graduate of Ohio University, Phillips has built a career working for educational opportunities for Ohio's children. She is the founding executive director of the Ohio Fair Schools Campaign, which organizes and advocates for quality public education.

Before her work on that campaign, Phillips served as a project coordinator for Rural Action, a nonprofit whose goals are to help Appalachian Ohio communities create and promote sustainable economies and communities and foster a sustainable environment. She coordinated the Rural School and Community Organizing Project, which helps citizens participate in planning the use of state funds for building projects in their districts; in the community use of old school buildings; and in school funding issues.

Phillips is a trained mediator who has provided training in peer mediation and conflict resolution in schools. She has served as board chair for the Athens Area Mediation Service. She has also been a member of the board of the League of Women Voters of Athens County.

James E. Rogers

James E. Rogers is chairman, president, and chief executive officer of Duke Energy, one of the largest power companies in the United States with approximately 4 million customers in the Carolinas and the Midwest. The company also distributes natural gas in Ohio and Kentucky. Headquartered in Charlotte, North Carolina, Duke Energy operates diverse power-generation assets in North America and Latin America, including a growing renewable-energy portfolio.



Rogers has more than 20 years of experience as a chief executive officer in the electric utility industry. He was named president and CEO of Duke Energy following its merger with Cinergy Corporation in April 2006. Previously he had served as Cinergy's chair and CEO for more than 11 years, and as CEO of PSI Energy.

Rogers has served as deputy general counsel for litigation and enforcement for the Federal Energy Regulatory Commission (FERC); executive vice president of interstate pipelines for the Enron Gas Pipeline Group; and as a partner in the Washington, D.C., office of Akin, Gump, Strauss, Hauer, and Feld. Prior to those appointments, he was assistant to the chief trial counsel at FERC; a law clerk for the Supreme Court of Kentucky; and assistant attorney general for the Commonwealth of Kentucky, where he acted as intervener on behalf of state consumers in gas, electric, and telephone rate cases. He was also a reporter for Kentucky's *Lexington Herald-Leader*.

He is currently a director of Cigna Corporation and Applied Materials, Inc., and chairs the Institute for Electric Efficiency and the Edison Foundation. In addition, he co-chairs the National Action Plan for Energy Efficiency and the Alliance to Save Energy. He is on the board of directors and the executive committee of the World Business Council for Sustainable Development, and he is a member of the Honorary Committee of the Joint U.S.-China Cooperation on Clean Energy.

In 2009, Rogers was honored with *EnergyBiz* magazine's Utility CEO of the Year *EnergyBiz* KITE Award (Knowledge, Innovation, Technology, Excellence). He was inducted into the inaugural Energy Efficiency Forum Hall of Fame by the United States Energy Association and Johnson Controls, Inc.

Speakers

Dennis Creech

Dennis Creech is a co-founder and the executive director of the Southface Energy Institute, a private nonprofit in Atlanta, Georgia, that provides education, technical assistance, and research in energy policy, sustainable technologies, and applied building science. During Creech's 31-year tenure as executive director, Southface has grown to include 45 staff members who provide programs on residential and commercial green buildings, sustainable development, and energy policy that reach over 45,000 people annually.

Southface program partners range from Fortune 100 companies to community-based affordable housing developers. It is an affiliate of the U.S. Green Building Council, a RESNET-accredited provider and training organization, a Building Performance Institute affiliate, and a partner with the Greater Atlanta Home Builders Association on the EarthCraft House green building program.

Creech has served on the boards of directors of RESNET, the Energy and Environmental Building Association, Affordable Comfort, the Greater Atlanta Home Builders Association, the Southeast Energy Efficiency Alliance, the Southeast Watershed Forum, Georgia Watch, and EarthShare of Georgia. He has served on numerous policy bodies for federal and local government and for the foundation community and industry, and is an alumnus of the Regional Leadership Institute and the Institute for Georgia Environmental Leadership.

Creech's career has also included an adjunct professorship in environmental studies at Emory University. Before founding Southface, he did research at the Georgia Tech Engineering Experiment Station and was deputy director of Atlanta 2000, a nonprofit regional planning organization.

He is a LEED Accredited Professional and has received numerous professional awards, including the Georgia Environmental Council's Environmental Professional of the Year award, a Legacy Award from the Energy and Environmental Building Association, and designation as one of the "100 Most Influential Georgians" by *Georgia Trend* magazine. He was also nominated in 2009 for the prestigious Hanley Award for Vision and Leadership in Sustainable Housing.

Widely viewed as a thought leader on matters pertaining to regional and national energy and sustainability policy, Creech frequently writes and speaks on energy and environmental topics ranging from "green" building to sustainable business practices.



David Wilhelm

David Wilhelm is the founder of Adena Ventures, a venture capital fund based in Athens, Ohio, that invests in early-stage growth companies in low- and moderate-income areas of the central Appalachian states of Ohio, West Virginia, Maryland, and Kentucky. The U.S. Small Business Administration licensed Adena Ventures as the nation's first and largest New Markets Venture Capital Company in 2002. Wilhelm is a partner in the fund and a member of the fund's investment committee.



Wilhelm is also the founder of Hopewell Ventures, a Chicago-based venture capital fund that invests in growth companies in the Great Lakes region. Hopewell and Adena Ventures are both funds of Woodland Venture Management, a fund development and management company Wilhelm created in 1999 with a vision of bringing investment capital to traditionally underserved areas of the country.

Earlier in his career, Wilhelm managed campaigns for politicians including Bill Clinton, Joe Biden, Richard Daley, and Paul Simon. He was named chair of the Democratic National Committee by President Clinton in 1992, becoming the youngest person in American history to lead a major political party.

Currently a visiting professor at the Voinovich School of Leadership and Public Affairs at Ohio University, Wilhelm has been a fellow at the Harvard University Institute of Politics and taught at the University of Chicago and DePaul University. He was recently appointed by the secretary of the interior to serve on the National Park Foundation, and he also serves as one of Ohio Governor Ted Strickland's appointees to the Ohio Cultural Facilities Commission. He recently chaired Ohio University's National Alumni Board.

Wilhelm has received numerous accolades for his commitment to and work in Appalachia, including the Appalachian New Economy Partnership Entrepreneurship Award from Ohio University's Voinovich Center for Leadership and Public Affairs.

He holds a master's degree in public policy from Harvard University's Kennedy School of Government, a bachelor's degree from Ohio University, and honorary doctorates from Ohio University and West Virginia's University of Charleston.

Speakers

Dale Arnold

Dale Arnold has been director of energy services for the Ohio Farm Bureau Federation since 1995. During his tenure he has managed agriculture-related research and development projects on electric load profiling, energy efficiency, on-site generation, net metering, and interconnection. He works with Farm Bureau leaders to help shape effective local, state, and national energy policy, and he represents farm, small business, and residential energy consumers on utility customer advisory boards and in working groups with the Office of the Ohio Consumers' Counsel and the Public Utilities Commission of Ohio. Arnold chairs the state's Public Benefits Advisory Board and is a member of the Ohio Department of Development's Ohio Wind Working Group and Biomass Task Force. The facilitator of the new Ohio Solid Biofuel Working Group, he has served on state and regional development groups concerning liquid biofuel development.

Pam Benoit

Pam Benoit joined Ohio University in July 2009 as executive vice president and provost. She has 20 years of experience as a faculty member, scholar, and academic administrator. She began her teaching career at Miami University and was subsequently a faculty member at Bowling Green State University and at the University of Missouri–Columbia, where she taught a wide variety of undergraduate and graduate courses. At Missouri she also served as the director of undergraduate studies in the College of Arts and Science's Department of Communication; as chair of that department; as associate/assistant dean of the university's graduate school; as interim dean of the graduate school; and, beginning in 2006, as vice provost for advanced studies and dean of the graduate school. Benoit has received numerous awards for excellence in teaching and mentoring.

Brandon R. Blevins

Brandon R. Blevins has served since 2006 as the wind program coordinator for the Southern Alliance for Clean Energy (SACE), based in Knoxville, Tennessee. As such he oversees the activities of the Tennessee Wind Working Group, a U.S. Department of Energy–funded program co-founded in 2004 by SACE and the Tennessee Valley Authority with the State of Tennessee. He also works as part of a team to operate the Wind Powering America Mid-Atlantic/Southeast Regional Wind Energy Institute, and he manages an ocean-based renewable energy infrastructure study. Through a project funded by the Alcoa Foundation, Blevins wrote and published *A Homeowner's Guide to Clean and Efficient Energy in East Tennessee* in 2006. In 2008, he was part of a SACE team that received the U.S. Department of Energy's Wind Powering America Eastern Regional Wind Advocacy Award.

Robert J. Boggs

Robert J. Boggs is the director of the Ohio Department of Agriculture, which protects Ohio's food supply, consumers, and environment, and the health of its animals and plants. Since becoming director in 2007, Boggs has led the department's efforts to expand the role of Ohio's agriculture sector in the emerging bioproduct, biofuel, and renewable-energy industries. He has also led in the renewal of the department's marketing strategies through the promotion of local farms and farmers' markets and the "Ohio Proud" and "Ohio Quality Wine" programs. As director, he oversees the department's state-of-the-art diagnostic and analytical laboratories, and he chairs the Ohio Food Policy Council, the Milk Sanitation Board, the Third Frontier Bioproducts Advisory Board, and the Ohio Grape Industries Committee. Previously Boggs had served as a state representative and state senator for 24 years and as a county commissioner for 10 years.

Fred Deel

Fred Deel was appointed director of the Governor's Office of Appalachia in 2007. The office advocates for Ohio's 32 Appalachian counties, promoting their assets and supporting local, regional, state, and federal initiatives in the region that contribute to economic, educational, and community prosperity. Deel had previously served as the president of the Gallia County Board of Commissioners, to which he was elected in 2004. He retired from Ohio State University after a 31-year career as an associate professor and county extension agent for 4-H youth and community development, and now holds the title of Associate Professor, Emeritus. A lifelong resident of Gallia County, he has served four terms on the Gallia County Local Schools Board of Education. He was recognized by the Ohio School Boards Association as an outstanding board member with the All-Ohio School Board Award.

Scott Doron

Scott Doron directs the Southern Technology Council, the advisory council on innovation and technology policy issues for the Southern Growth Policies Board. He has authored and co-authored dozens of reports, and managed several regional conferences, as part of the board's initiative on technology and innovation. His work for Southern Growth has also included managing a number of community projects and developing a toolkit about economic forces affecting communities. Prior to joining Southern Growth, Doron was associate manager for strategic research in the South Carolina Department of Commerce, where he conducted research on critical economic development issues, including identifying target industries for recruitment. He previously managed software, engineering, and medicine-related projects for Isis Innovation, a technology transfer company of the University of Oxford in the United Kingdom.

Speakers

Jerald J. Fletcher

Jerald J. Fletcher is a professor of energy, environmental, and natural resource economics at West Virginia University and interim director of its Division of Resource Management. He also serves as director of the university's Natural Resource Analysis Center (NRAC) and its U.S.-China Energy Center. NRAC is a multidisciplinary research center that applies GIS and spatial analysis to energy, environmental, natural resource, and economic development issues from a variety of disciplinary perspectives. The U.S.-China Energy Center is engaged in joint research with China on energy-related issues and supports business development between the two countries. Fletcher is also an Institute Fellow with the NETL Institute for Advanced Energy Solutions, which focuses on research related to fossil-fuel use and carbon management. His research has been published in a broad variety of disciplinary and interdisciplinary journals and books.

Dale Freudenberger

Dale Freudenberger is founding partner and chief operating officer of FLS Energy, an Asheville, North Carolina-based solar energy company that specializes in solar hot water (solar thermal) and solar electricity (photovoltaic) systems. He is one of a handful of nationally certified solar energy system designers/installers and has consulted on renewable-energy issues with major energy and architectural firms. Freudenberger oversaw the development of the large-scale solar energy system atop the Proximity Hotel in Greensboro, the first LEED Platinum-certified hotel in America. He has experience helping companies find energy-efficiency savings in HVAC, lighting, motors, and air compression systems and has completed extensive training on energy systems. Freudenberger has overseen the growth of FLS Energy from 3 employees in 2006 to over 40 employees today.

Steve Garrison

Steve Garrison is county manager for Madison County, North Carolina, a post he has held since June 2007. He had previously served for nine years as program manager for the Buncombe County and Polk County (North Carolina) child support offices for the Denver, Colorado-based organization Policy Studies, Inc. From 1987 to 1998 he served in a number of functions with the Buncombe County Department of Social Services, including his final position there overseeing the community outreach department. Garrison is currently a board member for the Mountain Valleys Resource Conservation and Development Council. He has held posts on numerous other local and state boards and committees, including the North Carolina Child Support Council, for which he served as president in 2004.

Allan M. Gentry

Allan M. Gentry is an instructor, the interim co-dean of the Division of Business and Technology, and chair of the Technology Department at Cleveland State Community College (CSCC). He is also administrator for CSCC's Energy Efficient Residential Construction Program Grant, which will allow the college to provide training in the use of newly developed energy-efficient residential construction materials and systems. Prior to joining CSCC, Gentry worked for almost 30 years in industry, including at the Tennessee Valley Authority. His experience includes power plant and system design, construction, engineering, operation, and maintenance. He has held management and specialist positions providing technical support for functions including training, organizational development, and quality management. Gentry has been active with Habitat for Humanity for the last ten years and currently works with area affiliates to build homes to Energy Star standards.

Elahu Gosney

Elahu Gosney has served as a member of the Athens City Council in Athens, Ohio, and as chair of its Environment Committee since January 2008. In his first term as an at-large representative, he has helped pass Athens' comprehensive Green Fleets Policy for the purchase and use of city-owned vehicles, and he has spearheaded the Athens Solar Initiative, an effort to bring a new renewable-energy finance mechanism to the state. Through this proposed pilot municipal solar-energy program, Athens residents would be able to borrow from a city-funded revolving-loan fund to pay for the installation of solar panels in their homes and then repay the loan through property taxes. In addition to serving on the city council, Gosney is a doctoral student in the molecular and cellular biology program at Ohio University, where he also works as a research assistant.

Mark Gray

Mark Gray is vice president of engineering services for American Electric Power (AEP). In this role he oversees the company's new-generation and flue gas desulfurization engineering as well as new technology development. He is responsible for deployment of new plant technologies and for provision of support services for AEP's generation fleet, overseeing advancement in equipment and process technical knowledge; major project engineering/design support; daily operational support for the AEP fossil fleet; and procedures, guidance, and training to support improved operational performance. Gray began his AEP career in 1976 as a performance engineer at Ohio Power Company's Mitchell Plant. Over the years his posts with AEP have included serving as manager of the mechanical engineering division and as vice president of environmental services. He was named to his current post in April 2003.

Speakers

Jerrold L. Hutton

Jerrold L. Hutton has served since 2003 as dean of the Hocking College Energy Institute, a growing division of the college that includes two associate degree programs: Alternative Energy and Fuel Cells, and Automotive Hybrids and Fuel Cells. Hutton had previously been director of the college's International Energy Center and executive director of its Vehicular Fuels Institute. In the private sector, Hutton's experience includes serving as vice president of engineering and operations for Tren-Fuels, Inc.; as operations manager for Alternative Fuels Technologies, LLC; and as a marketing and sales manager for Quantum Technologies. He has also operated his own business, Hutton Consulting and Associates. Hutton has presented his published work widely, and he has served on committees developing standards for the National Fire Protection Agency on the use of LNG, CNG, propane, and hydrogen as motor fuels.

Marten R. Jenkins

Marten R. Jenkins is the president and CEO of the Natural Capital Investment Fund, a community development financial institution located in Shepherdstown, West Virginia. NCIF was launched by the Conservation Fund in 2001 to provide financing to high-potential emerging businesses that will advance sustainable economic development in rural communities in central Appalachia and the southeast. Prior to joining the Conservation Fund, Jenkins served as a Peace Corps volunteer in the Philippines and as a research assistant in the World Bank's environmental policy and research division. He serves on the advisory boards of CEI Capital Management, LLC, and the West Virginia Small Business Development Center and is a board member of the Gateway New Economy Council.

Douglas R. Keaton Sr.

Douglas R. Keaton Sr. is director of career and technology education for the National Energy Education Development Project, which works with energy companies, agencies, and organizations to design and deliver multi-sided energy education programs to the nation's schools. Keaton was previously the electrical technology instructor for the Russell Area Technology Center. There he piloted Kentucky's first energy curriculum and occupational training facility, and he also designed the state's first solar training system and its first live-action 1-kwh wind turbine training system for secondary career and technical education students. He also received a grant to establish the first teacher education training session for six pilot energy-education programs at secondary career and technical education centers. Keaton is a member of the Kentucky Rural Energy Consortium and of the state's Energy Curriculum Advisory Board.

Neill Lane

Neill Lane is president of Athens, Ohio's Global Cooling, Inc., which delivers environmentally friendly, energy-efficient, ultra-low-temperature cooling products to customers in the scientific, medical, and electronics fields. Previously Lane was president of Blight to Bright, LLC, an Ohio developer of large-scale solar installations, and an executive in residence with TechGROWTH Ohio, a pre-seed fund providing funding and assistance to innovative early-stage technology companies. Lane also served for ten years as the president and CEO of Sunpower, Inc., which develops and manufactures Stirling engines and coolers for applications including solar thermal electric power, household micro combined heat and power, and cryogenic refrigeration. While at Sunpower, Lane led the development of the company's in-house manufacturing and established its worldwide licensing activities.

Dennis Maloskey

Dennis Maloskey is the director of sustainable engineering and development for the Commonwealth of Pennsylvania's Governor's Green Government Council (GGGC). Prior to joining the GGGC, he worked as a senior consulting engineer for private design firms and was an energy policy analyst with the Commonwealth's former Pennsylvania Energy Office. He also served as the senior engineer for the state Department of Environmental Protection's Office of Pollution Prevention and Compliance Assistance. Maloskey has served as lead design engineer, project manager, and quality control engineering supervisor on over 50 green-building, alternative-energy, and renewable-energy projects. He is currently a board member for the U.S. Green Building Council, and a member of the Energy and Climate Technical Advisory Committee for ICLEI-Local Governments for Sustainability.

James F. McKenney

James F. McKenney is vice president of economic development and international programs at the American Association of Community Colleges (AACC), serving as the primary point of interface between AACC and other public and private organizations, agencies, and trade associations that focus on economic and workforce development. McKenney also oversees the development of partnerships and collaborative projects with international and U.S.-based organizations and agencies. McKenney began his career with AACC in the Office of College-Employer Relations, and soon after served as the assistant vice president for federal relations, with responsibilities covering the reauthorization of the Carl D. Perkins Vocational and Technical Education Act and the Job Training Partnership Act. He serves on the boards of the American Youth Policy Forum, the Home Builders Institute, SkillsUSA, and the National Commission for Cooperative Education, and is the vice chair of CompTIA's Workforce Commission.

Speakers

Joe McKinney

Joe McKinney was appointed executive director of Asheville, North Carolina's Land-of-Sky Regional Council in January 2003. The agency serves a four-county region, providing programs focusing on planning and economic development, aging services, volunteer services, and geographic information systems. McKinney had previously served as executive director of the Eastern Carolina Council of Governments. He has also been a county manager for Mitchell County, North Carolina, and town manager for the Town of Spruce Pine, North Carolina. In December 2004 he was appointed by the North Carolina General Assembly to staff the Joint Select Committee on Hurricane Relief, his efforts resulting in the adoption of legislation totaling \$361 million in disaster assistance. McKinney has served on the boards of organizations including the SouthEast Regional Directors Institute and the National Association of Development Organizations.

Scott Miller

Scott Miller is director of energy and environmental programs at Ohio University's Voinovich School of Leadership and Public Affairs and its Consortium for Energy, Economics, and the Environment. He oversees the school's energy and environmental research team, which contributes to energy policy development and energy-related economic development and conducts stream and river assessment and restoration, air quality monitoring and modeling, and GIS and Web-enabled data management. Miller works with state and federal stakeholders to develop programs that enhance Ohio University's research, and he acts as a liaison between state and federal agencies and local stakeholders interested in using the university's resources to improve the natural environment of the region. He serves on local and statewide public and private boards that work to improve surface water management and participate in energy research and policy development.

Brandon Minix

Brandon Minix is co-owner of Midwestern Biofuels, LLC, and its vice president of sales. He oversees customer service, marketing, and public relations for the South Shore, Kentucky, company, as well as logistics involving equipment construction and product placement. Midwestern Biofuels' mission is to meet the growing demand for biofuel by producing energy in the form of fuel pellets from reclaimed mine land cover crops, the perennial grass miscanthus, switchgrass, and waste wood. The pellets will then be used by electricity-generating plants as a source of low-emissions fuel. A chemist by trade, Minix was previously director of metallurgical coal sales for Appalachian Fuels, LLC, in Ashland, Kentucky. He was also regional manager and lab manager for Salyersville's Mineral Labs, Inc., which provides coal analysis and sampling for the coal industry.

Randy Monhemius

Randy Monhemius is a business program specialist for USDA Rural Development in Columbus, Ohio. He administers and promotes the Renewable Energy Systems and Energy Efficiency Improvement Program, which provides loan guarantees and grants to agricultural producers and rural small businesses for the purchase and installation of renewable-energy systems or for energy-efficiency improvements. Over the course of his 21-year career with the agency, Monhemius has also been responsible for promoting the Business and Industry Loan Guarantee Program, which guarantees loans made by local lenders to rural businesses, and the Rural Business Enterprise Grant program, which provides grants for rural projects that finance and facilitate development of small and emerging rural businesses. Monhemius began his USDA career working in both the Farmer Program and Single Family Housing Program. He moved to the state office in 1996.

Kathleen O'Connor

Kathleen O'Connor manages the New York State Energy Research and Development Authority's anaerobic digester gas-to-electricity program, as well as the municipal water and wastewater research and development program. These programs provide incentives to generate renewable electricity at farms and wastewater treatment plants, and cost-shared funding to demonstrate innovative, energy-efficient technologies and practices at municipal water and wastewater treatment plants. O'Connor also serves as the authority's water/wastewater liaison to multiple state and national research and regulatory entities. Prior to working with the authority, O'Connor was a design engineer for a civil and environmental engineering firm specializing in the design of water and wastewater treatment plants. She is the chair of the New York Water Environment Association's Energy/Research Committee.

Tony Petelos

Tony Petelos is mayor of Hoover, Alabama, the sixth-largest city in the state and one of the fastest growing. Petelos was elected mayor in 2004 and re-elected in 2008. His public-service career also includes 11 years in the state legislature, from 1986 to 1997, and cabinet service for two governors, including the post of commissioner of the Alabama Department of Human Resources. Under Petelos's leadership, Hoover installed the first ethanol tank in the state of Alabama, and in 2005 the city changed its fleet of police vehicles to flex-fuel vehicles that have driven eight million miles on corn ethanol and are now using ethanol made from the city's wood waste. In 2007 Hoover began a residential cooking-oil recycling program, through which over 30,000 gallons of oil have been made into biodiesel fuel.

Speakers

Mark L. Pickering

Mark L. Pickering is a senior project manager for Gannett Fleming's water and wastewater practice in the Camp Hill, Pennsylvania, corporate office. Currently responsible for all phases of project management and design oversight, Pickering has over 23 years of experience in the planning, design, management, and construction observation of water and wastewater treatment plants. He recently received recognition from the Association of Energy Engineers as a Certified Sustainable Development Professional, which confirms knowledge of the principles and laws governing the practices of energy efficiency and pollution prevention-related disciplines. Pickering has also received his Certified Energy Manager credential and is a member of the Water Environment Federation and the Pennsylvania Water Environment Association. He was recently appointed as a professional advisor to the environmental program at Pennsylvania State University's Harrisburg campus.

Susan Reid

Susan Reid has served as executive director of the First Tennessee Development District (FTDD) since 1988 and has been with the organization for 36 years. The FTDD is a regional association of local governments involved in economic and community development; air quality, water quality, and solid waste planning; rural transportation planning; programs for the elderly; and home ownership and rehabilitation programs. It also acts as a liaison for local governments with state and federal agencies. Reid was appointed to the Tennessee Valley Corridor board of directors in 2001 and was its chair for two years. She has served as president and board member of the Development District Association of Appalachia, and she has been appointed by Tennessee's last three governors to represent the state's development districts on the Municipal Solid Waste Management Advisory Committee.

Melinda Richter

Melinda Richter is the executive director of the Environmental Business Cluster (EBC), the largest private technology commercialization program for clean energy start-ups in the United States. Richter founded and is CEO of Prescience International, a firm dedicated to the commercialization of science and technology through creation of research centers, incubators, foundations, and institutes such as the EBC, the San Jose BioCenter, and the Clean Tech Institute. Richter began her career with Nortel Networks, working in areas including acquisitions, engineering and manufacturing optimization, and world trade market development. She left Nortel to start eTreasurer, an online European financial and accounting hub for CFOs, and then led business development for high-tech companies in Silicon Valley before co-leading the life science and technology incubator Astia. She currently sits on the governing board of the National Business Incubation Association.

Adele Schirmer

Adele Schirmer is the engineering and GIS department director for the Town of Blacksburg, Virginia. She leads a department of professional engineers responsible for the drinking water, sanitary sewer, storm water, and transportation systems of the town and for management of its facility projects. Under her supervision, Blacksburg is pursuing its first Platinum-level LEED building certification. A licensed professional engineer, Schirmer has served Blacksburg for 20 years in various capacities, overseeing functions including public works, planning, and development review and inspection. She serves on the boards of directors of the Montgomery Regional Solid Waste Authority and the Blacksburg-VPI Sanitation Authority, both of which have been accepted into the Virginia Environmental Excellence Program through her leadership.

Mark R. Shanahan

Mark R. Shanahan is executive director of the Ohio Air Quality Development Authority and its Clean Air Resource Center. Appointed in 1989, he oversees the management of more than \$1.6 billion in outstanding bond issues as well as the authority's research and special project programs. He also oversees the work of the Ohio Coal Development Office, one of the nation's leading clean-coal technology research, development, and deployment programs. In 2007, Ohio Governor Ted Strickland appointed Shanahan to the position of governor's energy advisor. In that role Shanahan is responsible for coordinating state agencies' efforts to develop a comprehensive energy policy and to implement the governor's order to significantly reduce state agencies' energy consumption. He has served as Ohio's clean air ombudsman for small business since 1994 and is Strickland's delegated representative to the Third Frontier Commission.

Hilkat Soysal

Hilkat Soysal is an instructor in the Department of Physics and Engineering at Maryland's Frostburg State University. With a background in both marine engineering and law, Soysal's areas of teaching interest at Frostburg State include numerical methods and programming. She is the director of the university's WISE Education Program, which offers instruction and hands-on training in the design, installation, and maintenance of residential wind and solar energy generation systems. She is also co-director of Frostburg State's Renewable Energy Center and of the Sustainable Energy Research Facility Construction Project, sponsored by the U.S. Department of Energy. Her extensive research on renewable energy includes a current project funded by the Maryland Industrial Partnerships program to create renewable energy-powered, electromagnetic pulse-protected microgrids that could provide electricity for critical infrastructure facilities in the event of a disaster.

Speakers

Oguz A. Soysal

Oguz A. Soysal is a professor in the Department of Physics and Engineering at Maryland's Frostburg State University. Prior to joining the college in 1998, Soysal taught at several universities in Turkey and at Bucknell University in Pennsylvania. His early career included work as a research and development engineer at ABB-ESAS Power Transformer Company in Istanbul. He has co-directed projects including the Construction of a Hybrid Residential Demonstration System project, sponsored by the Maryland Energy Administration; and the Wind and Solar Energy Certified Education Program, sponsored by the Appalachian Regional Commission. Currently he is co-director of the Sustainable Energy Research Facility Construction Project, sponsored by the U.S. Department of Energy, and he is co-establishing the Renewable Energy Center at Frostburg State.

Brenda Stokes

Brenda Stokes is the director of construction for Georgia's Bibb County Schools. In this role, and formerly as an owner's representative for DeKalb County Schools, she has brought high-performance buildings to the forefront in the state's public school systems. Under her leadership as a LEED Accredited Professional, the Bibb County School District opened two LEED-registered high schools in August 2009. Her experience also includes serving as a group environmental coordinator for Beers Construction Company. In 1999 Beers became the first U.S. construction company to achieve an ISO 14001 environmental management certification, and Stokes was trained as an ISO 14001 auditor and selected to be the firm's sustainable design coordinator. Currently chair of the Georgia Institute of Technology's Building Construction Alumni Board, she was selected by the U.S. Green Building Council to serve on the LEED for Schools Application Guide for Schools committee.

Gerald I. Susman

Gerald I. Susman is the Robert and Judith Klein Professor of Management at Pennsylvania State University. He is associate dean for research, director of the Center for the Management of Technological and Organizational Change, and director of the Sustainability Council in the university's Smeal College of Business. Susman served as co-director of the Quality and Manufacturing Management Program from 2000 to 2005, and he chaired the Department of Management and Organization from 1991 to 1999. In 1992 and 1993 he was a visiting professor of business administration at the Harvard Business School. Susman has been a consultant to many public and private organizations, including the U.S. Department of Labor and the cities of Baltimore and San Antonio. He recently completed a study for the Appalachian Regional Commission on opportunities presented by the emerging wind- and solar-energy industries for supply-chain development in Appalachia.

Bob Wilson

Bob Wilson is CEO and president of Entrepreneurial Transitions, LLC, a Tennessee firm that provides program management, entrepreneurial training programs, coaching, and mentoring for economic development programs and start-up companies throughout the Tennessee Technology Corridor. He has served as director of the Energy Business Bootcamp for the Kentucky Highlands Investment Corporation. From 2001 to 2009 he was director of Technology 2020's Center for Entrepreneurial Growth, which assists technology commercialization through the creation and support of early-stage companies. The center has provided management training and support to over 150 start-up companies and managed commercialization programs for a national lab, universities, and regional economic development organizations. Wilson has 30 years of field experience working with both Fortune 500 companies and small business start-ups in senior management positions.

Carole Womeldorf

Carole Womeldorf is an assistant professor in the Department of Mechanical Engineering at Ohio University's Russ College of Engineering and Technology. She is director of the Wind Energy Assessment and Visualization research team and a stakeholder member of the Ohio Wind Working Group. At Ohio University, she is also associated with the Institute for Sustainable Energy and the Environment and the Consortium for Energy, Economics, and the Environment. Prior to her current position, Womeldorf worked as an engineer in the Building and Fire Research Laboratory at the National Institute of Standards and Technology, publishing numerical and experimental research in the areas of fluid mechanics, heat transfer, combustion, and fire safety. Her research interests include extra tall tower wind measurements and modeling the wind energy resource in complex terrain locations like Appalachian Ohio.

Byron Zuidema

Byron Zuidema was appointed regional administrator of the Region V office of the U.S. Department of Labor Employment and Training Administration (ETA) in May 1998. Based in Chicago, that office supports national, state, and local leaders in developing workforce solutions that meet the needs of employers, workers, and communities. Zuidema was recently a senior advisor on the secretary of labor's Recovery Act implementation team and has also served as acting ETA administrative officer. He was formerly president of the Minnesota Software Association, assistant commissioner of the Minnesota Department of Economic Security, and executive director of the nonprofit Heartland Community Action in Willmar, Minnesota. Zuidema founded and was co-chair of the Enterprise Council, for which he received Vice President Al Gore's National Performance Review Hammer Award. He has also chaired the National Governors Association workforce liaison group.



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An Appalachian Regional
Commission Conference
Hosted by the State of Ohio

Additional Speaker Bios

Lindsey Evans will be a panelist at the Wednesday (10:15 a.m.–11:45 a.m.) concurrent session Renewable-Energy Options. Evans is managing partner of Soymet 101, LLC, an alternative-fuel distribution terminal in Rome, Georgia. Evans started the business in 2005 after partnering with a local chemical company to produce soy-based biofuel to sell at his family's truck-stop business. Soymet has so far realized \$50 million in revenues. Evans recently spearheaded the company's use of feedstock-processing technology to extract different plant oils for use in the production of Soymet biofuel, helping to reduce production costs. Evans is also an alternative energy specialist for Peach State Labs, Inc., a Rome, Georgia-based biodiesel producer and manufacturer of polymer chemicals for use in a range of industrial applications. In that role he develops green-energy products and manages the company's green-product markets.

Bob Freeman will be a panelist at the Tuesday (1:15 p.m.–2:45 p.m.) concurrent session Energy-Efficient Infrastructure: Water and Wastewater Systems. Freeman is an environmental engineer responsible for coordinating the decentralized/onsite wastewater treatment systems program and the sustainable infrastructure program for the U.S. Environmental Protection Agency's (EPA) Region 4. Headquartered in Atlanta, Region 4 serves Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, and six tribes. Freeman has been with EPA since 1970. His work focuses primarily on integrated resource management and green/sustainable development; energy management in water and wastewater infrastructure; decentralized wastewater systems; water conservation and wastewater reuse; water infrastructure asset management; and the watershed approach to sustainable infrastructure. He is a member of the Water Environment Research Foundation's Decentralized Research Advisory Council and serves on several of the research foundation's project review committees.

Suzanne Tegen will be a panelist at the Tuesday (10:15 a.m.–11:45 a.m.) concurrent session Wind-Powering Appalachia. Tegen is a senior energy analyst at the National Renewable Energy Laboratory's Strategic Energy Analysis Center in Golden, Colorado, working as a member of the Market and Policy Impact Analysis Group. Her analysis expertise includes renewable-energy policy; wind-power jobs and economic development; the economic development impacts of new electricity; and wind-power manufacturing and supply chains. Her research interests also include the economic, community, and environmental impacts of energy production. Tegen was formerly a research assistant for the Center for Science and Technology Policy at the University of Colorado at Boulder and an environmental specialist with the U.S. Antarctic Program at McMurdo Station. She is a steering committee member for the nonprofit Women of Wind Energy and an ex-officio board member for the University of Colorado Environmental Center.

Reception at the Dairy Barn Arts Center



Join your conference colleagues Tuesday evening for a reception at the Dairy Barn Arts Center. Featuring 5,400 square feet of gallery space, this local arts treasure draws nearly 15,000 visitors to the region every year. Exhibitions range from the internationally recognized Bead International and Quilt National shows to work by regional artists. The center's current exhibit, *Far Side of Function: Contemporary Wood Sculpture*, will be open to conference participants. Light fare prepared by the Hocking College Culinary Club and featuring fresh seasonal ingredients from Athens-area food producers and farms will be served.

Built in 1914, the Dairy Barn Arts Center was originally a functioning dairy barn in part of a complex owned by the Athens State Hospital. When the barn was scheduled to be razed in 1977, a citizens task force was formed to preserve the barn and turn it into a nonprofit arts center. The center's mission is to offer exhibitions, events, and programs that nurture and promote area artists and artisans; develop art appreciation; provide the community with access to fine arts and crafts from outside the region; and draw attention and visitors to southeast Ohio.



Photos courtesy of the Dairy Barn Arts Center

Acknowledgment

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