



## **SPEAKER AND MODERATOR INFORMATION**

### **Welcoming Remarks**

#### **The Honorable Pat Quinn, Governor, State of Illinois**

On January 29, 2009, Pat Quinn was sworn in as the 41st Governor of the State of Illinois. Governor Quinn has served the people of Illinois for more than a quarter of a century - both as a citizen and a public official. He has organized grassroots petition drives signed by more than four million voters; walked across the state in support of decent healthcare for all; proposed historic tax reform for working families; increased consumer protections; and given Illinois' residents a strong voice in government.

Job creation has been one of Governor Quinn's top priorities. He passed Illinois Jobs Now! - the state's first capital plan in over a decade. The plan will invest \$31 billion in Illinois' economy, creating and retaining more than 439,000 jobs over six years.

As Governor, Quinn has focused on restoring ethics to state government. Since taking office he has passed a constitutional amendment to allow recall of a Governor and signed into law the first ever limits on campaign contributions in Illinois.

Governor Quinn is an advocate for consumers, taxpayers, and servicemembers and their families. He has spearheaded countless initiatives that foster a cleaner environment and encourage economic development in historic business districts and rural communities. Governor Quinn has rallied residents to support the Illinois Military Family Relief Fund, which he created in 2003 to support our servicemembers and veterans.

Governor Quinn served as State Treasurer from 1991 through 1995. His Linked Deposit program helped more than 25,000 Illinois families and businesses obtain \$2 billion in bank loans to support affordable housing, small business expansion and agriculture. A longtime consumer advocate, Governor Quinn launched the 1983 drive to create the Citizens Utility Board, an organization that supports safe, reliable and affordable utility service.

In 1976, Governor Quinn led the largest petition drive in state history, ending the century-old practice of allowing Illinois legislators to collect their entire salary on their first day in office. In 1980, he organized the Cutback Amendment to reduce the size of the Illinois General Assembly — the first and only Illinois constitutional amendment ever adopted by citizen initiative.

Governor Quinn was born in Hinsdale and graduated from Fenwick High School, Georgetown University School of Foreign Service and Northwestern University School of Law. He was elected commissioner of the Cook County Board of (Tax) Appeals in 1982, served as the City of Chicago's revenue director and was a member of a local school council. Governor Quinn has two sons.



## **Panel #1: Manufacturing Today: Recent Investment and Policy Trends**

### Moderator

#### R. Neal Elliott, Associate Director, American Council for an Energy-Efficient Economy

Neal Elliott is the Associate Director for Research of the American Council for an Energy-Efficient Economy (ACEEE), coordinating ACEEE's overall research efforts. Elliott has been with ACEEE since 1993, founding the Industrial and Agricultural Programs. Elliott is an internationally recognized expert and author on energy efficiency, energy efficiency programs and policies, electric motor systems, combined heat and power and clean distributed energy, analysis of energy efficiency and energy markets, and a frequent speaker at domestic and international conferences.

Prior to joining ACEEE, Elliott was an adjunct associate professor of Civil and Environmental Engineering at Duke University and Senior Engineering Project Manager at the N. C. Alternative Energy Corp. (now Advanced Energy) where he founding director of the Industrial Energy Laboratory. Prior to AEC he worked as N.C. Wood Assistance Team Leader for the Industrial Extension Service and Department of Wood and Paper Science at North Carolina State University.

Elliott received B.S. and M.S. degrees in Mechanical Engineering from North Carolina State University, and was a Dean's Fellow and received a Ph.D. from Duke University. He is a registered Professional Engineer in North Carolina and has six patents in the area of thermal storage and produce processing. Elliott serves on the Strategic Advisory Group for the Institute for Industrial Productivity.

### Panelists

#### Bill Strauss, Senior Economist and Economic Advisor, Federal Reserve Bank of Chicago

William A. Strauss is a Senior Economist and Economic Advisor in the Economic Research Department at the Federal Reserve Bank of Chicago, which he joined in 1982. His chief responsibilities include analyzing the current performance of both the Midwest economy and the manufacturing sector for use in monetary policy. He produces the monthly Chicago Fed Midwest Manufacturing Index and organizes the Bank's Economic Outlook Symposium and Automotive Outlook Symposium. In addition, he conducts several economic workshops and industrial roundtables throughout the year. He has provided testimony concerning manufacturing issues to the U.S. Senate.

Mr. Strauss earned a B.A. in economics and geography from the State University of New York at Buffalo, and an M.A. in economics from Northwestern University. He currently teaches at DePaul University Kellstadt Graduate School of Business, and at the University of Chicago Graham School of General Studies. At the latter institution, he was named winner of the 2010 Excellence in Teaching Award in the Business and Professional Programs.

#### Steven Schultz, Corporate Energy Manager, 3M

Steve has global responsibility for 3M's energy management program with the objectives of reducing operating costs, environmental impacts, achieving corporate energy and greenhouse gas reduction goals and positioning 3M for future growth. His role includes strategic planning, development and implementation of programs and tools to achieve corporate goals, and oversight of corporate data tracking and measurement systems.



Steve coordinates 3M's participation in various voluntary programs such as the EPA ENERGY STAR<sup>®</sup> program which has awarded 3M the Sustained Excellence Award Energy Management for seven consecutive years and the U.S. Department of Energy Better Buildings program.

Steve is a Certified Energy Manager with the Association of Energy Engineers and was named a Champion of Energy Efficiency by the American Council for an Energy Efficient Economy. He participates in an advisory role with the U.S. Department of Energy Advanced Manufacturing Office and serves on the Minnesota Chamber of Commerce Energy Policy Committee.

#### David Terry, Executive Director, National Association of State Energy Officials

David Terry is the Executive Director of the National Association of State Energy Officials and has worked with NASEO in a variety of capacities since 1996. Mr. Terry leads NASEO's programs in support of the nation's 56 State and Territory Energy Offices. The organization communicates the states' views on virtually all national energy issues, including electricity policy, energy efficiency market transformation, renewable energy commercialization and deployment, industrial energy efficiency, energy assurance and reliability, building codes and efficiency, and climate oriented energy programs.

Mr. Terry has 20 years of experience working on a range of energy issues for such organizations as the Association of State Energy Research Institutions, Governors' Biofuels Coalition, National Academy of Sciences, and the U.S. Department of Energy. Prior to working in the energy area, Mr. Terry was a statistical analyst for a market research firm, an analyst with the National Academy of Sciences, and a researcher for The Washington Post. He received a BA degree from Bowling Green State University, Bowling Green, Ohio, and he has completed graduate coursework in statistics and marketing at Virginia Tech, Blacksburg, Virginia.

## **Panel #2: Technical and Economic Potential**

### **Moderator**

#### John Cuttica, Director, Energy Resources Center, University of Illinois – Chicago

John Cuttica is presently the Director of the Energy Resources Center (ERC) located at the University of Illinois at Chicago. The ERC is heavily engaged in energy efficiency, distributed generation, and bio-energy projects. Mr. Cuttica and the ERC staff work closely with the Illinois State Energy Office in the development and implementation of the State's Energy Efficiency Portfolio Standard as it applies to the public sector. The ERC manages the US DOE Midwest Clean Energy Application Center, which provides support in Combined Heat and Power (CHP), District Energy, and Waste Heat Recovery in the 12 State Midwest Region.

John has been in the energy field for over 30 years, with most of his career spent in the energy R&D area, having held the position of VP of End Use Research at the Gas Research Institute for more than ten years. Prior to his work at the Gas Research Institute, Mr. Cuttica was responsible for the Consumer Product R&D Program at the US Department of Energy.

Mr. Cuttica holds an undergraduate degree in electrical engineering from the Catholic University of America in Washington DC and a Masters in Engineering Administration from the George Washington Univ. also located in Washington DC.



## Panelists

### James Bradbury, Senior Associate, Climate and Energy Program, World Resources Institute

James Bradbury is a Senior Associate in WRI's Climate and Energy Program, conducting research and analysis on U.S. federal and state climate and clean energy policies. James leads WRI's work on manufacturing and industrial competitiveness, working with partners to advance cost effective strategies to reduce greenhouse gas emissions through increased industrial efficiency and production of clean energy technologies for domestic and international markets. James was appointed by the Secretary of Commerce to represent WRI on the Renewable Energy and Energy Efficiency Advisory Committee.

Prior to joining WRI, James worked as a Senior Legislative Assistant for Congressman Jay Inslee (WA-1) where he played an active role in advancing clean energy and climate legislation through the U.S. House of Representatives, including complementary renewable and energy efficiency policies; electric grid and transportation fuel regulations and ocean-related issues. James began working on Capitol Hill in 2006, as a Science and Technology Policy Fellow, co-sponsored by the American Meteorological Society and the University Corporation for Atmospheric Research. James holds a Ph.D. in Geosciences from the University of Massachusetts- Amherst, a Masters degree in Hydrology from the University of New Hampshire, and a BA in Geology from Colorado College.

### Cindy McComas, Program Director Environmental Health Sciences, University of Minnesota

Cindy McComas is Adjunct Professor in the Department of Bioproducts and Biosystems Engineering at the University of Minnesota teaching a fall course on pollution prevention and energy efficiency. She also recently served as a researcher for the Institute on the Environment's NorthStar Initiative for Sustainable Enterprise at the University of Minnesota, focusing on a project to increase business investments in industrial energy efficiency.

Cindy served as Director of the Minnesota Technical Assistance Program (MnTAP) at the University of Minnesota from 1985 to 2010 which provides pollution prevention and energy efficiency technical assistance to Minnesota's industry. During 1980-1984, Ms. McComas worked as a program manager with the Gas Research Institute in Chicago on technologies to convert biomass and wastes to methane.

She graduated from the University of Minnesota with a M.S. in Civil Engineering and from Texas Christian University with a B.S. and M.S. in Environmental Sciences. She is a lifetime member of the National Pollution Prevention Roundtable (NPPR) since 1985, and has served on the Board of Directors, the Membership Committee, and the NPPR Research, Technology, and Energy Workgroup. In addition to membership in the Minnesota Wastewater Operators Association, she has been involved with the Air and Waste Management Association since 1980 as Upper Midwest Section Past Chair, Membership Chair, and faculty contact for the student group.

### Dan Trombley, Senior Industrial Analyst, American Council for an Energy-Efficient Economy

Daniel Trombley is a Senior Industrial Analyst for ACEEE focusing on industrial energy efficiency. He works on assessing the energy efficiency potential of industries for state studies and tracking, assessing, and developing national and regional programs and policies to help enhance energy efficiency in the industrial sector. He also works on federal energy efficiency standards for industrial equipment.

Prior to joining ACEEE, Dan worked for two years in the US DOE Industrial Assessment Center program, where he performed dozens of energy assessments on industrial sites helping small to mid-sized manufacturers understand and reduce their energy consumption. He received a Bachelor's and Master's Degree in Mechanical Engineering from the University of Dayton.

### **Panel #3: Investment Drivers and Opportunities**

#### Moderator

##### Lola Schoenrich, Program Director, Great Plains Institute

Lola Schoenrich is the Director of Efficiency and Electricity Programs at the Great Plains Institute, having joined the Institute in 2007. She leads the Institute's work on energy efficiency, facilitated a 2008 Midwestern Governors Association advisory committee on energy efficiency, and currently facilitates MGA initiatives on energy efficiency financing and industrial efficiency. Schoenrich has over 30 years of experience in energy policy and community energy initiatives. She has extensive background in bringing diverse groups of people together to craft energy policy and implement projects in networks, coalitions, and working teams.

Previous to joining the Great Plains Institute, she was the Energy Program Director at the Minnesota Project, where she started the Midwest Ag Energy Network and helped to launch many other state and regional energy initiatives. In the course of her 20 years at the Minnesota Project, Lola also worked on numerous other projects, including community sustainability, and waste management, recycling, household hazardous waste management and waste reduction. Previous to her work with the Minnesota Project, she was the Executive Director of the Self-Reliance Center (now the Sustainable Resources Center) running community-based energy efficiency and conservation programs in Minneapolis neighborhoods. Lola has a BA in biology from Hampshire College.

#### Panelists

##### Al Hildreth, Energy Manager, General Motors North America

Al is the Company Energy Manager for General Motors Company –focusing on energy and utility budgets, metrics, benchmarking, efficiency projects, water and carbon reporting, and renewable energy. He has worked for GM for over 30 years, including 5 years in Europe and Asia, 10 years with Saturn Corporation in Spring Hill, TN, and previously worked for a manufacturer of air pollution control equipment in R&D.

Al is a registered Professional Engineer, Certified Energy Manager, and a Certified Hazardous Materials Manager. He received his Bachelor of Science degree in Engineering from Oakland University - Rochester, MI and a Master's of Science degree in Engineering from Rensselaer Polytechnic University.

##### Robert Jackson, Manager, Michigan Economic Development Corporation

Robert Jackson is a chemical engineer with over 25 years of industrial energy efficiency and environmental engineering experience. He is currently the Manager of the Michigan Energy Office, Michigan Economic Development Corporation. He is directly responsible for the state of Michigan's Energy Efficiency and Renewable Energy Revolving Loan Fund, Industrial and the State Energy Programs which include the Clean Energy Advanced Manufacturing, Technology Demonstration and Industrial Energy Efficiency Programs, and Agricultural Energy Programs.



**Joel Freehling, Senior Energy Finance Consultant, Shaw Environmental & Infrastructure**

Joel Freehling's responsibilities at Shaw Environmental and Infrastructure Group include directing engagements on developing new financial analysis tools to better evaluate the financial returns from energy efficiency investments and advising on leveraging opportunities for utility led efficiency programs. Prior to joining Shaw, Freehling served as President of SBK New Markets Fund, Inc., a \$35 million tax credit fund investing in energy efficiency, alternative energy and green building projects in low income tracts in Chicago, Detroit and Cleveland. As President, Freehling was responsible for deal sourcing and structuring, tax credit monetization, risk management and IRS compliance.

Freehling also served as Senior Vice President, Energy Finance, and Manager, Triple Bottom Line Innovations at ShoreBank, then the largest US-based community development finance institution. At ShoreBank, Freehling directed sustainability efforts and was responsible for developing novel loan programs to promote investment in energy efficiency and green buildings. Current and past professional affiliations include Board Treasurer of the US Green Building Council, Illinois Chapter; Board Treasurer, Midwest Energy Efficiency Alliance, and the Board of Directors, Illinois League of Conservation Voters; he has served as an Outside Reviewer, US Department of Energy's Retrofit Ramp-Up program.

**Raymond Monroe, Executive Vice President, Steel Founder' Society of America**

Raymond W. Monroe joined the Steel Founders' Society of America SFSA as Executive Vice President on April 1, 1988. Prior experience includes working for Saturn Corporation in lost foam, managing research for SFSA, conducting research at SRI, and interning at NASA.

He holds a B.S. in Chemical Engineering from Auburn University and received his M.S. in Engineering Science from the University of Alabama (Birmingham) in 1980.

Raymond was recognized with the Auburn Engineering Achievement award in 2008. He has been on the Board of the Cast Metals Coalition since 1989. Cast Metals Coalition is a partnership with the U.S. Department of Energy. He is the Chairman of the Alliance for Materials Manufacturing Excellence (AMMEX) representing the energy intensive industries in developing public policy in Washington, DC. He has also been on the Board of the American Metalcasting Consortium since 1992. This is a partnership with the U.S. Defense Logistics Agency, U.S. Department of Defense. He serves as a panelist for the Joint Defense Manufacturing Technology Panel- Metals Sub-panel. He serves on the industrial advisory board for trade in ferrous materials (ITAC 12) for the Department of Commerce.