

2011 EIA ENERGY CONFERENCE



Independent Statistics & Analysis

U.S. Energy Information
Administration

April 26-27, 2011
Ronald Reagan Building &
International Trade Center
Washington, DC

2011 EIA ENERGY CONFERENCE

Welcome to the 2011 EIA Energy Conference.

On behalf of everyone at EIA, I want to thank you for being here to take part in what's going to be a very stimulating dialogue.

Communication between EIA and our customers and stakeholders must be a two-way street if EIA is to accomplish its mission, which is to collect, analyze, and disseminate independent and impartial energy information, to promote sound policy making, efficient markets, and public understanding of energy and its interaction with the economy and the environment. The fact that this conference attracts U.S. and international participants from Government, industry, non-profit organizations, the media, and academia speaks to its value.

Rather than focusing solely on communicating views from the EIA perspective, we have again this year invited colleagues from outside EIA to present their views on a host of topical energy issues. In addition to discussing EIA's annual energy outlook, a distinguished group of speakers will address topics such as the future of OCS after Macondo; electricity and the environment; the future of domestic onshore oil and gas; transportation and the environment; energy and financial market linkages; the long-term U.S. energy outlook; meeting China's energy demand; energy demand, efficiency, and consumer behavior; intelligent electric systems; and game changers.

We anticipate that this will be a memorable occasion and will provide a great opportunity to discuss current and future challenges facing energy markets and policymakers.

I look forward to a successful conference.

*Richard Newell, Administrator
U.S. Energy Information Administration*

2011 EIA ENERGY CONFERENCE

AGENDA

Tuesday, April 26

7:30 a.m. Registration, Badging, and Continental Breakfast

8:45 a.m. **Plenary Session**

Welcome:

Dr. Richard G. Newell, Administrator, EIA

Keynote Addresses:

Lisa P. Jackson, Administrator, U.S. Environmental Protection Agency

Marvin E. Odum, President, Shell Oil Co. and Director, Shell Upstream Americas

Gene B. Sperling, Director, National Economic Council

10:30 a.m. Break

Concurrent Sessions

11:00 a.m.

1. **Long-Term U.S. Energy Outlook: Different Perspectives**

Location: Amphitheater

Moderator: Paul Holtberg, EIA

Speakers:

John Conti, EIA

Mark Finley, BP America

Douglas Meade, University of Maryland

2. **The Future of OCS After Macondo**

Location: Ballroom B

Moderator: Doug Morris, EIA

Speakers:

Randall Luthi, National Ocean Industries Association

David Pettit, Natural Resources Defense Council

A. Michael Schaal, EIA

Heather Zichal, Deputy Assistant to the President for Energy and Climate Change Policy

12:30 p.m. Lunch, Atrium Hall

2:00 p.m.

3. **Intelligent Electric Systems**

Location: Amphitheater

Moderator: Bill Booth, EIA

Speakers:

Jason Bordoff, White House Council on Environmental Quality

Andrew Ott, PJM Interconnection

David Sun, Alstom Power

4. **Transportation and the Environment**

Location: Ballroom B

Moderator: John Maples, EIA

Speakers:

John German, International Council for Clean Transportation

Don Pickrell, Volpe National Transportation Systems Center

Steven Plotkin, Argonne National Laboratory

3:30 p.m. Break

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4:00 p.m.

5. ***Electricity and the Environment***

Location: Amphitheater

Moderator: J. Alan Beamon, EIA

Speakers:

Bruce Braine, American Electric Power

Daniel Eggers, Credit Suisse

Sam Napolitano, EPA

6. ***Energy and Financial Market Linkages***

Location: Ballroom B

Moderator: Richard G. Newell, EIA

Speakers:

Adam Sieminski, Deutsche Bank

James Smith, Southern Methodist University

Robert Vignfusson, Federal Reserve System

5:30 p.m. Adourn for Reception, Atrium Hall

Wednesday, April 27

8:00 a.m. Registration, Badging, and Breakfast

9:00 a.m.

7. ***Meeting China's Energy Demand***

Location: Atrium Hall

Moderator:

Howard Gruenspecht, EIA

Speakers:

William Chandler, Transition Energy International, Ltd.

Trevor Houser, Rhodium Group

Mark Levine, Lawrence Berkeley National Laboratory

David Sandalow, DOE

8. ***The Future of Domestic Onshore Oil and Gas***

Location: Amphitheater

Moderator:

Charles Whitmore, EIA

Speakers:

Porter Bennett, BENTEK Energy

James Sorensen, University of North Dakota

John Steelman, Natural Resources Defense Council

9. ***Energy Demand, Efficiency, and Consumer Behavior***

Location: Polaris

Moderator:

Erin Boedecker, EIA

Speakers:

Joe Loper, Itron, Inc.

Kathleen Hogan, DOE

James Sweeney, Stanford University

10:30 a.m. Break

11:00 a.m. ***Game Changers***

Location: Atrium Hall

Speaker: Dr. Ernest Moniz, Massachusetts Institute of Technology

12:00 p.m. Adjourn

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WELCOME SPEAKER

Dr. Richard G. Newell

Administrator, EIA

Plenary Introductions and Moderator

April 26, 2011 — 8:45 a.m.-10:30 a.m.

Location: Atrium Hall

Energy and Financial Market Linkages

April 26, 2011 — 4:00 p.m.-5:30 p.m.

Location: Ballroom B

Game Changers Moderator

April 27, 2011 — 11:00 a.m.-12:00 p.m.

Location: Atrium Hall



Dr. Richard G. Newell was sworn in on August 3, 2009 as the seventh Administrator of the U.S. Energy Information Administration (EIA).

Dr. Newell is on leave from his position as the Gendell Associate Professor of Energy and Environmental Economics at Duke University's Nicholas School of the Environment. Previously he served as the Senior Economist for energy and environment on the President's Council of Economic Advisers. He also spent many years as a Senior Fellow at Resources for the Future (RFF), an independent, non-partisan environmental and resource economics research institution in Washington, DC. He has published widely on the economics of markets and policies for energy, the environment, and related technologies, particularly alternatives for reducing greenhouse gas emissions and achieving other energy and environmental goals.

Prior to his confirmation, Dr. Newell was a Research Associate of the National Bureau of Economic Research, a University Fellow of RFF, and on several boards including the Journal of Environmental Economics and Management, the journal *Energy Economics*, the Association of Environmental and Resource Economists, and the Automotive X-Prize. He has served on several National Academy of Science expert committees related to energy, environment, and innovation.

Dr. Newell holds a Ph.D. from Harvard University in environmental and resource economics. He also holds a M.P.A. from Princeton University's Woodrow Wilson School of Public and International Affairs, and a B.S. in materials engineering and a B.A. in philosophy from Rutgers University.

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KEYNOTE SPEAKER

Lisa P. Jackson
Administrator, U.S. Environmental Protection Agency

Plenary Session Keynote Speaker
April 26, 2011 — 8:45 a.m.-10:30 a.m.
Location: Atrium Hall



Administrator Lisa P. Jackson leads the U.S. Environmental Protection Agency's (EPA) efforts to protect the health and environment for all Americans. She and a staff of more than 17,000 professionals are working across the Nation to usher in a green economy, address health threats from toxins and pollution, and renew public trust in EPA's work.

As Administrator, Ms. Jackson has pledged to focus on core issues of protecting air and water quality, preventing exposure to toxic contamination in our communities, and reducing greenhouse gases. She has promised that all of EPA's efforts will follow the best science, adhere to the rule of law, and be implemented with unparalleled transparency.

Ms. Jackson is the first African-American to serve as EPA Administrator. She has made it a priority to focus on vulnerable groups including children, the elderly, and low-income communities that are particularly susceptible to environmental and health threats. In addressing these and other issues, she has promised all stakeholders a place at the decision-making table.

Before becoming EPA's Administrator, Ms. Jackson served as Chief of Staff to New Jersey Governor Jon S. Corzine and Commissioner of the state's Department of Environmental Protection (DEP). Prior to joining DEP, she worked for 16 years as an employee of the EPA. Jackson is a summa cum laude graduate of Tulane University and earned a M.S. in Chemical Engineering from Princeton University. She was born in Pennsylvania and grew up a proud resident of New Orleans, Louisiana. Ms. Jackson now resides in Washington, D.C.

She is married to Kenny Jackson and is the proud mother of two sons, Marcus and Brian.

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KEYNOTE SPEAKER

Marvin E. Odum

***President, Shell Oil Co. and Director,
Shell Upstream Americas***

Plenary Session Keynote Speaker

April 26, 2011 — 8:45 a.m.-10:30 a.m.

Location: Atrium Hall



Marvin E. Odum is President of Shell Oil Company and Director Upstream of Royal Dutch Shell's subsidiary companies in the Americas.

Mr. Odum holds positions of board leadership and participation in the Business Roundtable, U.S. Climate Action Partnership, and the American Petroleum Institute. In addition, he serves as a commissioner of the National Commission on Energy Policy and as a trustee of the National Urban League. Mr. Odum is a member of the Dean's Council of the John F. Kennedy School of Government at Harvard University and the Advisory Board of the Cockrell School of Engineering at The University of Texas at Austin. He also serves on the boards of several Houston-area charities.

Mr. Odum began his Shell career as an engineer in 1982, and has since served in a number of management positions of increasing responsibility in both technical and commercial aspects of energy.

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Gene B. Sperling
Director of the National Economic Council
and Assistant to the President for
Economic Policy

Plenary Session Keynote Speaker
April 26, 2011 — 8:45 a.m.-10:30 a.m.
Location: Atrium Hall



KEYNOTE SPEAKER

Gene B. Sperling is Director of the National Economic Council and Assistant to the President for Economic Policy. He was appointed by President Barack Obama on January 7, 2011.

Mr. Sperling served as Counselor to the Secretary of the U.S. Department of the Treasury Timothy F. Geithner, starting in 2009. In that role, Mr. Sperling served as a lead policy advisor for Secretary Geithner on fiscal, budget, tax, job creation and small business issues.

Previously, Mr. Sperling served during the Clinton Administration as the Director of the National Economic Council for four years, from 1997 to 2000, and as the Deputy Director of the National Economic Council from 1993 to 1996. In these positions, Mr. Sperling played a lead role in the 1993 Deficit Reduction Act and was a key negotiator for the 1997 bipartisan Balanced Budget Agreement.

In addition to his economic work, Mr. Sperling has specialized on education in poor and conflict-affected nations. He was the founder and Director of the Center for Universal Education at the Council on Foreign Relations and co-authored the book *What Works in Girls' Education: Evidence and Policies from the Developing World*. Mr. Sperling was also Senior Fellow for Economic Policy at the Center for American Progress, where he authored *The Pro-Growth Progressive: An Economic Strategy for Shared Prosperity*. He also served as a part-time consultant on corporate citizenship and economic matters for private sector companies.

Mr. Sperling holds a B.A. from the University of Minnesota and a J.D. from Yale Law School.

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SPECIAL SESSION SPEAKERS

Dr. Ernest J. Moniz

Massachusetts Institute of Technology

Game Changer Session Speaker

April 27, 2011 — 11:00 a.m.-12:00 p.m.

Location: Atrium Hall



Ernest J. Moniz is the Cecil and Ida Green Professor of Physics and Engineering Systems, Director of the Energy Initiative, and Director of the Laboratory for Energy and the Environment at the Massachusetts Institute of Technology (MIT) Department of Physics, where he has served on the faculty since 1973. Dr. Moniz served as Under Secretary of the Department of Energy from 1997 until January 2001 and as Associate Director for Science in the Office of Science and Technology Policy in the Executive Office of the President, from 1995 to 1997.

At MIT, Dr. Moniz served as Head of the Department of Physics and as Director of the Bates Linear Accelerator Center. His principal research contributions have been in theoretical nuclear physics and in energy technology and policy studies. He currently serves on President Obama's Council of Advisors for Science and Technology (PCAST).

Dr. Moniz received a B.S. summa cum laude in Physics from Boston College, a doctorate in Theoretical Physics from Stanford University, and honorary doctorates from the University of Athens, the University of Erlangen-Nuremberg, and Michigan State University. He was a National Science Foundation Postdoctoral Fellow at Saclay, France, and at the University of Pennsylvania. Dr. Moniz is a Fellow of the American Association for the Advancement of Science, the Humboldt Foundation, and the American Physical Society and a member of the Council on Foreign Relations. He received the 1998 Seymour Cray HPCC Industry Recognition Award for vision and leadership in advancing scientific simulation and, in 2008, the Grand Cross of the Order of Makarios III for contributions to development of research, technology, and education in Cyprus and the wider region.

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SPEAKERS

J. Alan Beamon

U.S. Energy Information Administration

Electricity and the Environment

April 26, 2011 — 4:00 p.m.-5:30 p.m.

Location: Amphitheater



J. Alan Beamon is the Director of the Office of Electricity, Coal, Nuclear and Renewables Analysis in the EIA's Office of Energy Analysis. He has worked on electricity analysis projects since 1984.

His responsibilities include the development and maintenance of the coal, renewable, and electricity components of EIA's National Energy Modeling System (NEMS). NEMS is used each year to produce the Annual Energy Outlook, which provides projections through 2035 of energy supply consumption, and prices. It is also used to prepare special studies, including those requested by Congress and the Administration. Key areas of analysis have included the development of the National SO₂ Allowance Database and analysis of the impacts of the Clean Air Act Amendments of 1990.

Recent work has focused on the impact of proposed environmental regulations on the electricity sector — especially efforts to reduce nitrogen oxides, sulfur dioxide, mercury, and carbon dioxide. Mr. Beamon has also led EIA efforts to analyze the potential impacts of proposals to reduce greenhouse gas emissions. He received his B.A. in Economics from the College of William and Mary in 1982.

Porter Bennett

BENITEK Energy

The Future of Domestic Onshore Oil and Gas

April 27, 2011 — 9:00 a.m.-10:30 a.m.

Location: Amphitheater



Porter Bennett is the President and CEO of BENITEK Energy, LLC, which he founded in 1985. Over the past 25 years he has led the evolution of the company from an energy industry consulting firm specializing in market and customer analysis to today's leading energy market information company. BENITEK Energy is located in Evergreen, Colorado.

In his early career, Mr. Bennett held positions with consulting companies specializing in energy market analysis.

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SPEAKERS

He holds a M.S. in Mineral Economics from the Colorado School of Mines, and an M.A. in International Affairs from Columbia University. He received a B.A. in History from Lewis & Clark College. Mr. Bennett is a member of the International Gas Union Strategy Committee. The IGU is a worldwide non-profit organization whose objective is to promote the technical and economic progress of the gas industry.

Erin E. Boedecker

U.S. Energy Information Administration

Energy Demand, Efficiency, and Consumer Behavior

April 27, 2011 — 9:00 a.m.-10:30 a.m.

Location: Polaris



Erin Boedecker leads the Buildings Energy Consumption & Efficiency Analysis Team within EIA's Office of Energy Analysis. Prior to EIA's reorganization October 2010, she was the principal analyst and modeler for the Commercial Demand Module of the National Energy Modeling System, responsible for analysis of energy demand in the commercial sector. Before joining EIA in 1994, Ms. Boedecker worked as an Industrial Engineer for the U.S. Air Force, implementing process improvements in logistics operations. She has also been a Seismic Analyst in the petroleum exploration industry. Ms. Boedecker has a B.S. in Mathematics from Virginia Tech and an M.S.E. in Operations Research from the University of Texas at Austin.

Jason Bordoff

White House Council on Environmental Quality

Intelligent Electric Systems

April 26, 2011 — 2:00 p.m.-3:30 p.m.

Location: Amphitheater



Jason Bordoff is Associate Director for Energy and Climate Change at the White House Council on Environmental Quality (CEQ) and Senior Advisor for Energy and Environmental Policy at the National Economic Council. Prior to joining CEQ, Mr. Bordoff was the Policy Director of the Hamilton Project, an economic policy initiative housed at the Brookings Institution. Mr. Bordoff is also a term member of the Council on Foreign Relations and serves on the board of the Association of Marshall Scholars. Mr. Bordoff has written on a broad

range of economic policy matters, with a focus on climate and energy. During the Clinton Administration, he served as an advisor to the Deputy Secretary of the U.S. Treasury Department and previously was a consultant with McKinsey & Co. Mr. Bordoff graduated with honors from Harvard Law School, where he was treasurer and an editor of the Harvard Law Review, and clerked on the U.S. Court of Appeals for the D.C. Circuit. He also holds an M.Litt. degree from Oxford University, where he studied as a Marshall Scholar, and a B.A. magna cum laude and Phi Beta Kappa from Brown University.

William Booth
U.S. Energy Information Administration
Intelligent Electric Systems
April 26, 2011 — 2:00 p.m.-3:30 p.m.
Location: Amphitheater



Mr. Booth is a senior electricity advisor in EIA's Office of Energy Statistics. He has held various supervisory, technical, and policy positions with the Federal Energy Regulatory Commission, Nuclear Regulatory Commission, Congress's Office of Technology Assessment, and the U.S. Department of Energy before joining EIA in 2010. He holds Engineering and Public Policy degrees from Swarthmore College, Massachusetts Institute of Technology, and Harvard University.

Bruce Braine
American Electric Power
Electricity and the Environment
April 26, 2011 — 4:00 p.m.-5:30 p.m.
Location: Amphitheater



Bruce H. Braine is vice president for strategic policy analysis for American Electric Power Service Corporation (AEP). In this position, he focuses on analysis of federal and state energy and environmental policy as well as analysis and development of long-term environmental and energy strategy for AEP.

Mr. Braine originally joined AEP in 1997 as senior vice president, analysis for AEP Energy Services, an AEP subsidiary. He was named vice president, strategic policy analysis in 2002. Mr Braine has a B.A. from Brown University and an M.B.A. from Stanford University, where he graduated from Stanford's Public Management Program.

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SPEAKERS

Before joining AEP Energy Services in 1997, he was a senior vice president at ICF-Kaiser International, where he directed ICF's \$6 million electric utility business consulting unit.

Mr. Braine serves as vice-chair of Electric Power Research Institute's Global Climate Change Area Council, on the Board of Directors of the International Emissions Trading Association (IETA), as chair of the IETA U.S. working group, on the EEI Strategic Issues Committee and EEI Economics and Public Policy Executive Advisory Committee. Mr. Braine is a former chairman of the pension committee of the United Way in central Ohio.

William Chandler

Transition Energy International, Ltd.

Meeting China's Energy Demand

April 27, 2011 — 9:00 a.m.-10:30 a.m.

Location: Atrium Hall



William Chandler is president of Transition Energy and research director for the Energy Transition Research Institute (Entri). He is a board member of the Environmental Law Institute and a member of the Committee on the Human Dimensions of Climate Change of the National Academy of Sciences. He is a founder of, and advisor to, Dalian East Energy Development Co., which finances and builds heat recovery power plants in China. From 1988 to 2005, Mr. Chandler served as Senior Staff Scientist and Laboratory Fellow for the Pacific Northwest National Laboratory of the Battelle Memorial Institute.

He taught energy policy for 15 years at Johns Hopkins University's School of Advanced International Studies, and for a decade served as a lead author for the Intergovernmental Panel on Climate Change. Mr. Chandler was an external senior fellow at the Carnegie Endowment from 2007 through 2010, and earlier worked at Oak Ridge Associated Universities and the Worldwatch Institute. Mr. Chandler has authored or co-authored several books, including *Energy: The Conservation Revolution*, *The Myth of TVA: Conservation and Development in the Tennessee Valley, 1933-1983*, *State of the World (Vols. 1984-1988)*, *Energy Efficiency: A New Agenda*, *Carbon Emissions Control Strategies*, and *Energy and Environment in the Transition Economies*. He has published frequently in scientific and popular journals, including *Climatic Change*, *Energy Policy*, and *Scientific American*.

Mr. Chandler has testified on energy and environmental issues many times before the U.S. Congress, most recently on Chinese

climate policy before the Senate Foreign Relations Committee. Mr. Chandler received the 1992 Champion of Energy-Efficiency Award from the American Council for an Energy-Efficient Economy for his work in Eastern Europe. In 1999, he received the first Global Climate Leadership Award from the International Energy Agency for his work in China and Russia. Mr. Chandler holds a B.S. from the University of Tennessee, and an M.P.A. from Harvard University.

John J. Conti
U.S. Energy Information Administration

Long-Term U.S. Energy Outlook: Different Perspectives

April 26, 2011 — 11:00 a.m.-12:30 p.m.

Location: Amphitheater



John J. Conti is the Assistant Administrator for Energy Analysis at EIA. Mr. Conti analyzes energy supply, demand, and prices including the impact of financial markets on energy markets; prepares reports on current and future energy use; analyzes the impact of energy policies; and develops advanced techniques for conducting energy information analyses. He also oversees the planning and execution of EIA's analysis and forecasting programs to ensure that EIA models, analyses, and projections meet the highest standards of relevance, reliability, and timeliness.

Mr. Conti spent nearly 30 years working for the U.S. Department of Energy. Mr. Conti joined the Senior Executive Service in 2002 when he was asked to lead EIA's International, Economics, and Greenhouses Gases Division. Prior to that, he has worked in other positions in EIA and the Office of Policy and International Affairs. Mr. Conti has a M.S. in Management and Policy Sciences and a B.A. in Economics from the State University of New York at Stony Brook.

2011 EIA ENERGY CONFERENCE

SPEAKERS

Daniel Eggers

Credit Suisse

Electricity and the Environment

April 26, 2011 — 4:00 p.m.-5:30 p.m.

Location: Amphitheater



Daniel L. Eggers is a Managing Director of Credit Suisse in the Investment Banking division, based in New York. He is a member of the Equity Research department and leads the U.S. Electric Utilities team, covering a universe of 26 Regulated Utility, Integrated Power and Independent Power Producer stocks. In addition, Mr. Eggers has macro-coverage responsibilities for the Power sector as well as wind energy and carbon policy.

Mr. Eggers was ranked number three in the 2009 Institutional Investor Poll, first in Earnings Estimation, and second in Stock Picking in the 2010 Starmine Awards in his sector, and, in previous years, has received multiple top three rankings in the Starmine analyst surveys. In 2008, he was awarded the Farsight Award for outstanding Long-term and Extra Financial Investment Research.

Prior to his current responsibilities, Mr. Eggers covered 15 companies within the Institutional Investor and Greenwich ranked Oil Service and Equipment team. Mr. Eggers joined Credit Suisse in 1997 as an Associate on the top ranked Integrated Oils and Independent Refiners group.

Mr. Eggers received his B.B.A. in Finance with Honors from Texas Christian University and was awarded the Chartered Financial Analyst designation in 2000.

Mark Finley

BP America

Long-Term U.S. Energy Outlook: Different Perspectives

April 26, 2011 — 11:00 a.m.-12:30 p.m.

Location: Amphitheater



Mark Finley is General Manager, Global Energy Markets and U.S. Economics at BP. In addition to analyzing the economics and politics of the world oil market, he has produced market assessments for natural gas, electricity, carbon, and coal. He

also manages the annual production of the BP Statistical Review of World Energy (celebrating its 60th anniversary this year). He regularly presents BP's views on global energy markets to external audiences.

Mr. Finley is a Vice President of the International Association of Energy Economics and Vice-Chair of the U.S. Conference of Business Economists. He is a member of the American Petroleum Institute's Committee on Economics and Statistics.

Mr. Finley has 25 years of private- and public-sector experience as an energy economist. He joined BP's Economics Team in 2001 and has worked in Washington, DC and London. He is a Phi Beta Kappa graduate of the University of Michigan (Economics), and holds graduate degrees from Northwestern University (Economics) and the George Washington University (Finance). He and his wife Leigh Ann live in Arlington, Virginia, with their two beautiful daughters.

John German

International Council for Clean Transportation

Transportation and the Environment

April 26, 2011 — 2:00 p.m.-3:30 p.m.

Location: Ballroom B



John German is a Senior Fellow and Program Director for the International Council for Clean Transportation, with primarily responsibility for technology innovation and U.S. policy development.

Mr. German has been involved with advanced technology and efficiency since joining Chrysler in 1976, where he spent eight years in Powertrain Engineering working on fuel economy issues. He then spent 13 years doing research and writing regulations for the U.S. Environmental Protection Agency's Office of Mobile Sources' laboratory in Ann Arbor, Michigan, followed by 11 years as Manager of Environmental and Energy Analyses for American Honda Motor Company. Mr. German is the author of a variety of technical papers and a book on hybrid gasoline-electric vehicles published by SAE. He was the first recipient of the Barry D. McNutt award, presented annually by SAE for Excellence in Automotive Policy Analysis.

He has a B.S. in Physics from the University of Michigan and got over half way through an M.B.A. before he came to his senses.

2011 EIA ENERGY CONFERENCE

SPEAKERS

Howard Gruenspecht
U.S. Energy Information Administration

Meeting China's Energy Demand
April 27, 2011 — 9:00 a.m.-10:30 a.m.
Location: Atrium Hall



Howard Gruenspecht was named Deputy Administrator of EIA in March 2003. Howard is also Acting Assistant Administrator for Communications. Over the past 25 years, Dr. Gruenspecht has worked extensively on electricity policy issues, including restructuring and reliability, regulations affecting motor fuels and vehicles, energy-related environmental issues, and economy-wide energy modeling. Before joining EIA, he was a Resident Scholar at Resources for the Future. From 1993 to 2000, Dr. Gruenspecht served as Director of Economic, Electricity and Natural Gas Analysis in the U.S. Department of Energy's (DOE) Office of Policy, having originally come to DOE in 1991 as Deputy Assistant Secretary for Economic and Environmental Policy. His accomplishments as a career senior executive at DOE have been recognized with three Presidential Rank Awards.

Prior to his service at DOE, Dr. Gruenspecht was Senior Staff Economist at the Council of Economic Advisers (1989-1991), with primary responsibilities in the areas of environment, energy, regulation, and international trade. His other professional experience includes service as a faculty member at the Graduate School of Industrial Administration, Carnegie-Mellon University (1981-1988), Economic Adviser to the Chairman of the U.S. International Trade Commission (1988-1989), and Assistant Director, Economics and Business, on the White House Domestic Policy Staff (1978-1979).

Dr. Gruenspecht received his B.A. from McGill University in 1975 and his Ph.D. in Economics from Yale University in 1982.

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Kathleen Hogan
U.S. Department of Energy

Energy Demand, Efficiency, and Consumer Behavior

April 27, 2011 — 9:00 a.m.-10:30 a.m.

Location: Polaris



SPEAKERS

Dr. Kathleen Hogan is the Deputy Assistant Secretary for Energy Efficiency in the Office of Energy Efficiency and Renewable Energy (EERE) at the U.S. Department of Energy. In this capacity, Dr. Hogan oversees a more than \$900 million annual energy efficiency policy, program, and research portfolio including industrial, buildings, and vehicle technologies, along with federal energy management. As part of EERE's senior leadership, Dr. Hogan helps to oversee \$16.8 billion in American Recovery and Reinvestment Act funding.

Prior to this position, Dr. Hogan served for more than 10 years as the Division Director at the U.S. Environmental Protection Agency (EPA) and was responsible for the development and operation of EPA's clean energy programs focused on removing market barriers for energy efficiency and renewable energy. These programs included the ENERGY STAR® program, programs for combined heat and power and renewable energy, corporate leadership programs, and efforts focused on state clean energy policies. Under her management, ENERGY STAR® grew to a national brand for energy efficiency across products, new homes, and buildings. She was also a key convener of the National Action Plan for Energy Efficiency and has served as a technical advisor on the boards of a number of national and regional energy efficiency organizations.

Earlier in her EPA career, Dr. Hogan developed and managed programs to address emissions of methane and the high global warming potential gases including programs with the natural gas, waste management, livestock, aluminum smelting, and electronics industries. She also worked to address methane emissions in the Russian natural gas system and was an expert contributor on these topics to assessment reports of the Intergovernmental Panel on Climate Change.

Dr. Hogan has been recognized for her work with a Presidential Rank Award, induction into the Energy Efficiency Hall of Fame of the U.S. Energy Association, and as a contributor to the Nobel Peace Prize awarded to the Intergovernmental Panel on Climate Change.

Dr. Hogan has a Ph.D. from the Department of Geography and Environmental Engineering at the Johns Hopkins University and a B.S. in Chemistry from Bucknell University.

2011 EIA ENERGY CONFERENCE

SPEAKERS

Paul D. Holtberg

U.S. Energy Information Administration

Long-Term U.S. Energy Outlook: Different Perspectives

April 26, 2011 — 11:00 a.m.-12:30 p.m.

Location: Amphitheater



Paul Holtberg is Team Leader of the EIA Analysis Integration Team that coordinates the production of the *Annual Energy Outlook*, *International Energy Outlook*, *Short Term Energy Outlook*, and *Greenhouse Gas Report*. Mr. Holtberg is also acting Team Leader for the Industrial Energy Consumption and Efficiency Analysis Team. He joined EIA in July of 2002. Previously, Mr. Holtberg had been a Senior Policy Analyst with RAND Corporation in Arlington, Virginia, and he spent almost 20 years with the Gas Research Institute. Mr. Holtberg received his B.A. in Economics from the State University of New York at Binghamton in 1976, his M.A. in Economics from Rutgers University in 1979, and his M.B.A. in Finance from George Washington University in 1990.

Trevor Houser

Rhodium Group

Meeting China's Energy Demand

April 27, 2011 — 9:00 a.m.-10:30 a.m.

Location: Atrium Hall



Trevor Houser, is a partner at the Rhodium Group (RHG), a New York-based economic advisory firm and visiting fellow at the Peterson Institute for International Economics. He is also an adjunct professor at Columbia University and the City College of New York. His work focuses on energy markets, environmental regulation, international energy security, and global climate change. In 2009 Mr. Houser served as senior advisor to the U.S. Special Envoy on Climate Change. His publications include *A Role for the G-20 in Addressing Climate Change?* (2010), *The Economics of Energy Efficiency in Buildings* (2009), *Leveling the Carbon Playing Field: International Competition and US Climate Policy Design* (2008), *The Roots of Chinese Oil Investment Abroad* (2008), and *China Energy: A Guide for the Perplexed* (2007). Mr. Houser is a member of the National Committee on U.S.-China Relations and serves on the Advisory Board of the Center on U.S.-China Relations at the Asia Society.

2011 EIA ENERGY CONFERENCE

Mark D. Levine

Lawrence Berkeley National Laboratory

Meeting China's Energy Demand

April 27, 2011 — 9:00 a.m.-10:30 a.m.

Location: Atrium Hall



SPEAKERS

Mark D. Levine was director of the Environmental Division at Lawrence Berkeley National Laboratory (LBNL) from 1996-2006.

The Division is a leader in research on buildings energy efficiency, indoor air quality, and various clean energy technologies. It also played a leadership role in analysis of energy efficiency issues, an area that Dr. Levine built up during his leadership of the Energy Analysis Program from 1983 to 1996.

His major passion in the past two decades has involved analyzing and promoting energy efficiency in China. He is now the Group Leader of the China Energy Group at LBNL. Dr. Levine is a board member of five leading non-profits in the United States American Council for an Energy Efficient Economy; Center for Clean Air Policy; Center for Resource Solutions, the US-China Green Energy Council, and California Clean Energy Fund, an innovative green venture capital fund; and one in Asia. He has founded or co-founded two successful non-profits, including the acclaimed Beijing Energy Efficiency Center. He is a member of the Energy Advisory Board of Dow Chemical Company and the Advisory Board of the Asian Pacific Energy Research Centre in Tokyo. In 2008, he was selected as the recipient of the prestigious Obayashi Prize, awarded by the Obayashi Foundation of Japan to one person every two years for contributions to sustainable development, especially in urban areas.

In addition to authoring numerous technical publications, Dr. Levine has led a series of high-profile energy analysis activities: he had overall responsibility for the IPCC chapters on mitigating carbon emissions in buildings; he was co-leader of the report "Scenarios for a Clean Energy Future" for the United States; and co-leader of a major study of energy and carbon futures of China.

Dr. Levine graduated summa cum laude from Princeton University, earned a Ph.D. from the University of California, and has been the recipient of a Fulbright scholarship, a Woodrow Wilson Fellowship, and National Institute of Health doctoral awards.

2011 EIA ENERGY CONFERENCE

SPEAKERS

Joe Loper

Itron, Inc.

Energy Demand, Efficiency, and Consumer Behavior

April 27, 2011 — 9:00 a.m.-10:30 a.m.

Location: Polaris



Joe Loper is a Principal Energy Consultant in Itron's Consulting and Analysis group. As a project manager for the independent evaluation of the EmPOWER Maryland energy efficiency programs, he supports the Maryland Public Service Commission development of strategic guidance, technical support, and analyses. With more than 20 years of experience in energy advocacy, analysis, consulting, training, program management, and policy and program development, Mr. Loper has extensive knowledge of the energy efficiency industry, organizations, issues, and data, as well as broad knowledge of policies, politics, and analytical issues related to climate change. In his 19-year tenure with the Alliance to Save Energy, Mr. Loper held numerous positions including Senior Vice President of Research and Analysis and the Director of International Programs. As a Senior Vice President, Mr. Loper led the Alliance's Policy and Research team of 10 people including senior lobbyists, policy analysts, and researchers. As Director of International Programs, he managed a team of 30 Washington, DC and field-based staff operating in more than two dozen developing and transitional countries and oversaw project funding from USAID, USDOE, UNECE, UNF, and others. Mr. Loper graduated magna cum laude from the State University of New York and has a M.S. in Economics from Rensselaer Polytechnic Institute.

Randall Luthi

National Ocean Industries Association

The Future of OCS After Macondo

April 26, 2011 — 11:00 a.m.-12:30 p.m.

Location: Ballroom B



Randall Luthi is the President of the National Ocean Industries Association.

An attorney and rancher from Freedom, Wyoming, and a former Speaker of the Wyoming State House of Representatives, Luthi has an impressive background in government service and the private sector. He most recently served as the Director of the Minerals Management Service (MMS) at the Department of the Interior (DOI) from July 2007 through January 2009. Immediately prior to directing MMS, Luthi served as the Deputy Director of DOI's Fish and Wildlife Service.

2011 EIA ENERGY CONFERENCE

SPEAKERS

John D. Maples

U.S. Energy Information Administration

Transportation and the Environment

April 26, 2011 — 2:00 p.m.-3:30 p.m.

Location: Ballroom B



John D. Maples serves as the transportation team lead in the Office of Energy Consumption and Efficiency Analysis for EIA's Office of Energy Analysis. Mr. Maples is responsible for the research and analysis of issues related to transportation energy demand, emissions, and forecasting. His team is responsible for the development of transportation models within the National Energy Model System, as well as those used for short-term and international projections. Prior to joining EIA in 2001, Mr. Maples was employed as the senior transportation analyst at Trancon, Inc. and as a Senior Research Analyst at the University of Tennessee's Transportation Research Center, where he served on the U.S. Department of Energy Office of Transportation Technologies' Laboratory Analytic Team. He has more than 20 years of experience analyzing energy, security, economic, technological, and environmental issues related to the transportation sector. Mr. Maples received a B.S. in Transportation and Logistics from the University of Tennessee. He has served on alternative fuel and energy committees for the Transportation Research Board and has served as an officer on the Governing Board of the Society of Automotive Engineers' Washington, DC Chapter.

Douglas S. Meade

University of Maryland

Long-Term U.S. Energy Outlook: Different Perspectives

April 26, 2011 — 11:00 a.m.-12:30 p.m.

Location: Amphitheater



Douglas S. Meade is Director of Research of Inforum, an organization dedicated to improving business planning, government policy analysis, and the general understanding of the economic environment. Inforum is affiliated with the University of Maryland, and is located near the College Park campus. Subscribers to the Inforum models and software include several federal government agencies, trade associations and public interest groups, as well as consulting firms and private corporations. Dr. Meade has served in his current position since May 2006. He is responsible for new model development (U.S. and some international), as well as expanding and improving the existing econometric models at Inforum, and either directing or participating in numerous consulting projects particularly those with a focus on energy and environmental issues.

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SPEAKERS

Dr. Meade was formerly Deputy Chief of the Industry Division at the Bureau of Economic Analysis. His areas of research interest include econometrics, energy policy, defense economics, input-output, and national income accounting. Dr. Meade holds a Ph.D. in Economics from the University of Maryland.

Doug Morris

U.S. Energy Information Administration

The Future of OCS After Macondo

April 26, 2011 — 11:00 a.m.-12:30 p.m.

Location: Ballroom B



Doug Morris joined EIA in May 2010 and is currently responsible for the Oil and Gas Supply & Financial Statistics Team. Prior to joining EIA, Mr. Morris was a member of the American Petroleum Institute's (API) executive staff, where he served as the Group Director for Upstream and Industry Operations and was responsible for all industry issues arising out of exploration, drilling, production, and marine activities. His assignments with API also included managing API's legal department, where he addressed numerous litigation, regulatory, and legislative issues involving the oil and natural gas industry.

Before joining API, Mr. Morris worked as a petroleum engineer with both the U.S. Department of Interior and Exxon Co. USA and as a refinery process engineer with M.W. Kellogg. He has a B.S. in Chemical Engineering from Michigan State University and a J.D. from South Texas College of Law.

2011 EIA ENERGY CONFERENCE

SPEAKERS

Sam Napolitano

U.S. Environmental Protection Agency

Electricity and the Environment

April 26, 2011 — 4:00 p.m.-5:30 p.m.

Location: Amphitheater



Mr. Napolitano is the Director of the Clean Air Markets Division in the U.S. Environmental Protection Agency (EPA) Air Office. This group develops and runs air emission cap and trade programs that reduce sulfur dioxide and nitrogen oxides emissions from the electric power industry to protect public health and the environment. The Division is a focal point for the design, evaluation, and training of others on approaches to regional air emission reduction and other environmental trading programs for state and local governments and foreign countries (e.g., China, Canada, and Chile) and provided technical support to Congress.

Mr. Napolitano spent 34 years working on pollution issues related to air, water, and waste; 27 years of that experience has been at EPA. For the last 16 years, he has worked in EPA's Air Office. Mr. Napolitano also spent two years as a Division Director in the Office of the Secretary of Defense developing environmental compliance policies for military installations worldwide, and five years as a Vice President for the Risk Assessment and Economic Analysis Unit of ICF Incorporated. Mr. Napolitano holds a B.A. degree from the College of the Holy Cross and a M.B.A. degree from Cornell University.

Andrew Ott

PJM Interconnection

Intelligent Electric Systems

April 26, 2011 — 2:00 p.m.-3:30 p.m.

Location: Amphitheater



Andrew L. Ott is senior vice president of Markets for PJM Interconnection. He also serves as a board member for PJM Technologies and PJM Environmental Information Services. Mr. Ott has been with PJM for 15 years and is responsible for executive oversight of PJM's Market Operations & Demand Response, Market Strategy, Stakeholder Affairs, State and Member Services, Member Training, Customer Relations and Performance Compliance divisions. He was responsible for implementation of PJM's wholesale electricity markets including the PJM Locational Marginal Pricing, Financial Transmission

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SPEAKERS

Rights, Day-Ahead Energy Market and Capacity Market systems. Mr. Ott has extensive experience in energy market restructuring, including electricity market design and implementation issues, and in power-system engineering applications. Mr. Ott serves on the board of directors on the Wholesale Electricity Quadrant of the North American Energy Standards Board. He serves as the U.S. representative and working group chair for the CIGRE (International Council on Large Electric Systems) C5 Study Committee on Electricity Markets and Regulation. Prior to joining PJM, Ott was employed by GPU, Inc. for 13 years in transmission planning and operations. Mr. Ott received a B.S. in Electrical Engineering from the Pennsylvania State University. He also received a M.S. in Applied Statistics from Villanova University.

David Pettit ***Natural Resources Defense Council***

The Future of OCS After Macondo
April 26, 2011 — 11:00 a.m.-12:30 p.m.
Location: Ballroom B



David Pettit joined the Los Angeles staff of the Natural Resources Defense Council in 2007 as the senior attorney in charge of NRDC's Southern California Air Quality Project. He is an experienced civil litigator, having tried more than 100 cases in state and federal courts.

For 17 years, Mr. Pettit was a partner in Caldwell, Leslie, Newcombe & Pettit, a Los Angeles law firm specializing in complex civil litigation. Prior to that, Mr. Pettit was an associate at O'Melveny & Myers, a deputy city attorney for the City of Santa Monica, and a staff attorney with San Fernando Valley Neighborhood Legal Services.

Mr. Pettit is active in the legal profession. He has served as a Judge Pro Tem in the Los Angeles Superior and Municipal Courts, and authored articles on land use, and environmental and civil rights for the *Los Angeles Daily Journal*, *Los Angeles Lawyer* magazine, and the *National Law Journal*.

He is a graduate of University of California at Los Angeles (UCLA) College of Letters and Science, where he majored in philosophy, and UCLA School of Law. When he's not trying cases, Mr. Pettit plays rhythm and bass guitar in the Los Angeles Community Klezmer Band.

Don Pickrell

Volpe National Transportation Systems Center

Transportation and the Environment

April 26, 2011 — 2:00 p.m.-3:30 p.m.

Location: Ballroom B



Don Pickrell is Chief Economist of the U.S. Department of Transportation's (DOT) John A. Volpe National Transportation Systems Center, and has been involved in research and policy-making at DOT for more than 20 years. Dr. Pickrell has authored over 100 published papers, research studies, and government reports addressing a wide range of topics in transportation policy, economics, and planning. His recent work has focused on developing and evaluating measures to reduce energy consumption and environmental impacts of motor vehicle use.

Before joining DOT, Dr. Pickrell was a faculty member at Harvard University's John F. Kennedy School of Government. During much of his Volpe Center career, Dr. Pickrell has also taught transportation economics and policy in the Department of Civil and Environmental Engineering at the Massachusetts Institute of Technology. Dr. Pickrell received his undergraduate degree in Economics and Mathematics from the University of California at San Diego, and later earned M.A. and Ph.D. degrees in Urban Planning from the University of California at Los Angeles.

Steven Plotkin

Argonne National Laboratory

Transportation and the Environment

April 26, 2011 — 2:00 p.m.-3:30 p.m.

Location: Ballroom B



Steven Plotkin is a staff scientist with Argonne National Laboratory's Center for Transportation Research, specializing in analysis of transportation energy efficiency. He co-authored (with David Greene) Reducing Greenhouse Gases from U.S. Transportation for the PEW Center on Global Climate Change, and was a lead author on the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report *Climate Change 2007: Mitigation of Climate Change*. He previously was a Senior Associate with the Energy Program of the

2011 EIA ENERGY CONFERENCE

SPEAKERS

Congressional Office of Technology Assessment and an environmental engineer with the U.S. Environmental Protection Agency. Mr. Plotkin has a B.S. in Civil Engineering from Columbia University, and a M.Eng. (Aerospace) from Cornell University. He is the 2005 recipient of the Society of Automotive Engineers' Barry D. McNutt Award for Excellence in Automotive Policy Analysis.

David Sandalow
U.S. Department of Energy

Meeting China's Energy Demand
April 27, 2011 — 9:00 a.m.-10:30 a.m.
Location: Atrium Hall



As Assistant Secretary for Policy & International Affairs, David Sandalow helps coordinate policy and manage international activities at the U.S. Department of Energy. Prior to being confirmed as Assistant Secretary, Mr. Sandalow was Energy & Environment Scholar and a Senior Fellow in the Foreign Policy Studies Program of the Brookings Institution, as well as Energy & Climate Change Working Group Chair at the Clinton Global Initiative. He is the author of *Freedom from Oil* and editor of *Plug-In Electric Vehicles: What Role for Washington?* Mr. Sandalow has written widely on energy and environmental policy, including op-eds in the *New York Times*, *Washington Post*, *Financial Times*, and other publications. Previously, he served as Assistant Secretary of State for Oceans, Environment & Science; Senior Director for Environmental Affairs, National Security Council; Associate Director for the Global Environment, White House Council on Environmental Quality; and Executive Vice President, World Wildlife Fund-US. Mr. Sandalow holds a B.A. in Philosophy from Yale College and a J.D. from the University of Michigan Law School.

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A. Michael Schaal

U.S. Energy Information Administration

The Future of OCS After Macondo

April 26, 2011 — 11:00 a.m.-12:30 p.m.

Location: Ballroom B



A. Michael Schaal is the Director of EIA's Office of Petroleum, Natural Gas and Biofuels Analysis. Mr. Schaal's portfolio includes all aspects of analysis and forecasting for those subject areas in support of a number of EIA's products. His primary focus is on producing the oil and natural gas and biofuels projections for EIA's Annual Energy Outlook. Mr. Schaal's prior experience includes working as a professional engineer with Bechtel Corporation of San Francisco where he was involved in economic analysis, engineering, construction, and operations of first-of-a-kind facilities, and as a consultant with Energy Ventures Analysis, Inc. advising clients on natural gas and power sector issues. Mr. Schaal received his B.S. in Electrical Engineering from the California State University in 1986, and his Master's degree in Mineral Economics from The Pennsylvania State University in 1995.

Adam Sieminski

Deutsche Bank

Energy and Financial Market Linkages

April 26, 2011 — 4:00 p.m.-5:30 p.m.

Location: Ballroom B



Adam Sieminski is the Chief Energy Economist for Deutsche Bank, working with the Bank's global commodities research and trading units. Drawing on extensive industry, government and academic sources, Mr. Sieminski forecasts energy market trends and writes about a variety of topics involving energy economics, climate change, politics and commodity prices. From 1998 to 2005 he served as the energy strategist for Deutsche Bank's global oil & gas equity team. Mr. Sieminski was the senior energy analyst for NatWest Securities in the United States from 1988 to 1997, covering the major U.S. international integrated oil companies. He received both his undergraduate degree in Civil Engineering and M.P.A. from Cornell University. He has been president of the U.S. Association for Energy Economics and the National Association of Petroleum Investment Analysts. He is a member of the U.S. National Petroleum Council, an advisory group appointed by the U.S. Secretary of Energy. He also acts as a senior advisor for the Center for Strategic and International Studies, a nonpartisan policy think-tank in Washington. He is a member of the London, New York, and Washington investment professional societies, and holds the Chartered Financial Analyst (CFA) designation.

2011 EIA ENERGY CONFERENCE

SPEAKERS

James L. Smith

Southern Methodist University

Energy and Financial Market Linkages

April 26, 2011 — 4:00 p.m.-5:30 p.m.

Location: Ballroom B



James L. Smith holds the Cary M. Maguire Chair in Oil and Gas Management at Southern Methodist University. Having specialized in energy studies since receiving his Ph.D. in Economics from Harvard University in 1977, Dr. Smith has been a prolific researcher and author. His publications on OPEC, energy markets, real options, auction theory, and the oil and gas business have appeared in numerous academic and trade journals, including the *American Economic Review*, the *Journal of Economic Perspectives*, the *Quarterly Journal of Economics*, *Mathematical Geology*, the *Oil and Gas Journal*, and *World Oil*. Dr. Smith is a Senior Fellow of the United States Association for Energy Economics and since 2006 has served as Co-editor of *The Energy Journal*, the flagship publication of the International Association for Energy Economics. In addition to his academic duties at Southern Methodist University, Dr. Smith provides consulting services to numerous energy companies, regulatory agencies, and other organizations, in the United States and abroad.

James Sorensen

University of North Dakota

The Future of Domestic Onshore Oil and Gas

April 27, 2011 — 9:00 a.m.-10:30 a.m.

Location: Amphitheater



James A. Sorensen is a Senior Research Manager at the Energy & Environmental Research Center (EERC), where he is the leader of the Oil and Gas Group and serves as a principal investigator and manager on a variety of petroleum-related research projects.

Mr. Sorensen's primary areas of interest and expertise are petroleum geology and environmental issues associated with the oil and gas industry. Since 2003, he has focused on the sequestration of carbon dioxide in geologic media, with an emphasis on the value-added use of carbon dioxide for enhanced oil recovery. Since 2008, Mr. Sorensen has been involved in several projects related to the development of the Bakken oil play in North Dakota. In 2010, he served as the primary author of a chapter on tight oil resources as part of a National Petroleum Council report on the potential role of unconventional petroleum resources in future North American energy supplies.

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Mr. Sorensen received a B.S. in Geology from the University of North Dakota. He is a member of the Society of Petroleum Engineers and is an author or coauthor of more than 20 published papers.

John Steelman

Natural Resources Defense Council

The Future of Domestic Onshore Oil and Gas

April 27, 2011 — 9:00 a.m.-10:30 a.m.

Location: Amphitheater



John Steelman is the program manager for the Climate Center at the Natural Resources Defense Council (NRDC), the focus of which is to advance effective climate policies at the national and international level. Mr. Steelman joined NRDC in 1994. He has worked on developing the organization's climate advocacy strategies for more than a decade, including helping build NRDC's program on carbon capture and storage and the organization's economic analysis of climate policy and technology solutions. Prior to joining NRDC, Mr. Steelman worked in marketing and advertising at the advertising agency BBD&O, Trans World Airlines, and Westvaco Paper Company. Mr. Steelman received a B.A. in Economics from Duke University.

David Sun

Alstom Power

Intelligent Electric Systems

April 26, 2011 — 2:00 p.m.-3:30 p.m.

Location: Amphitheater



David Sun has over 30 years experience in the electric power industry. He joined the ESCA Corporation after receiving a Ph.D. from the University of Texas at Arlington in 1980. During the 1980s, Dr. Sun worked on advanced network application for Energy Management System. His paper on Optimal Power Flow won the IEEE PES Prize Paper Award. In the mid-1990s he started working on global electricity reform. Dr. Sun was directly involved in the development of many major electricity markets, including PJM, ISO-NE, MISO, ERCOT, and SPP. Since 2006, his focus has been on the smart grid. His current position is Chief Scientist for the Power Automation & Control Business of Alstom Power. Dr. Sun is a Fellow of the IEEE.

2011 EIA ENERGY CONFERENCE

SPEAKERS

James Sweeney
Stanford University

Energy Demand, Efficiency, and Consumer Behavior
April 27, 2011 — 9:00 a.m.-10:30 a.m.
Location: *Polaris*



Professor James (Jim) Sweeney, Stanford University, is Director of the Precourt Energy Efficiency Center and Professor of Management Science and Engineering. His professional activities focus on economic policy and analysis, particularly in energy, natural resources, and the environment. He currently is Senior Fellow of the Stanford Institute for Economic Policy Research, Hoover Institution on War, Revolution and Peace, Freeman Spogli Institute for International Studies, Woods Institute for the Environment, and the Precourt Institute for Energy. Dr. Sweeney is a Senior Fellow of the U.S. Association for Energy Economics, a lifetime National Associate of the National Academies, a council member and senior fellow of the California Council on Science and Technology, a member of the External Advisory Council of the National Renewable Energy Laboratory. Dr. Sweeney earned his B.S. from the Massachusetts Institute of Technology in Electrical Engineering and his Ph.D. from Stanford University in Engineering-Economic Systems.

Robert Vigfusson
Federal Reserve System

Energy and Financial Market Linkages
April 26, 2011 — 4:00 p.m.-5:30 p.m.
Location: *Ballroom B*



Robert Vigfusson is a senior economist in the Division of International Finance at the Federal Reserve Board, where he has covered international commodity markets and import prices since 2002. His broader research interests are in the intersection of macroeconomics and time series econometrics. Dr. Vigfusson's research publications include articles in the *Journal of Monetary Economics* and the *Review of Economics and Statistics*. He received his Ph.D. from Northwestern University.

2011 EIA ENERGY CONFERENCE

SPEAKERS

Charles S. Whitmore
U.S. Energy Information Administration

The Future of Domestic Onshore Oil and Gas

April 27, 2011 — 9:00 a.m.-10:30 a.m.

Location: Amphitheater



Charles S. Whitmore has over 30 years' experience analyzing electric power and natural gas markets for EIA and the Federal Energy Regulatory Commission (FERC). Dr. Whitmore is currently Senior Advisor to the EIA Administrator. Dr. Whitmore previously served as Senior Market Advisor for FERC's Office of Enforcement and in various other positions at FERC. Dr. Whitmore directed FERC's first strategic planning efforts and also played a leading role in developing the market oversight capabilities that provide the FERC Commissioners with timely, in depth information about issues that affect policy and promote productive communication between FERC and other entities, including State Commissions. He holds a B.A. in Political Science from Haverford College, a M. Phil. in Political Science from Yale University, and a Ph.D. in Political Science from Yale University.

Heather Zichal
Deputy Assistant to the President
for Energy and Climate Change Policy

The Future of OCS After Macondo

April 26, 2011 — 11:00 a.m.-12:30 p.m.

Location: Ballroom B



Heather Zichal currently serves as the Deputy Assistant to the President for Energy and Climate Change. Ms. Zichal served as the Policy Director for Energy, Environment and Agriculture for Senator Barack Obama's presidential campaign and on the transition team. Prior to that position, she served as the Legislative Director to Senator John Kerry where she coordinated domestic and foreign policy. In 2004, she was responsible for the Kerry campaign's energy and environment policies. Ms. Zichal also served as Legislative Director for U.S. Representative Frank Pallone (D-NJ) and U.S. Representative Rush Holt (D-NJ). During her tenure in government, she has been highly involved in legislative initiatives to create green jobs, tackle climate change, reduce dependence on oil, and protect natural treasures like the Arctic National Wildlife Refuge. She grew up in Iowa and is a graduate of Rutgers University.

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NOTES

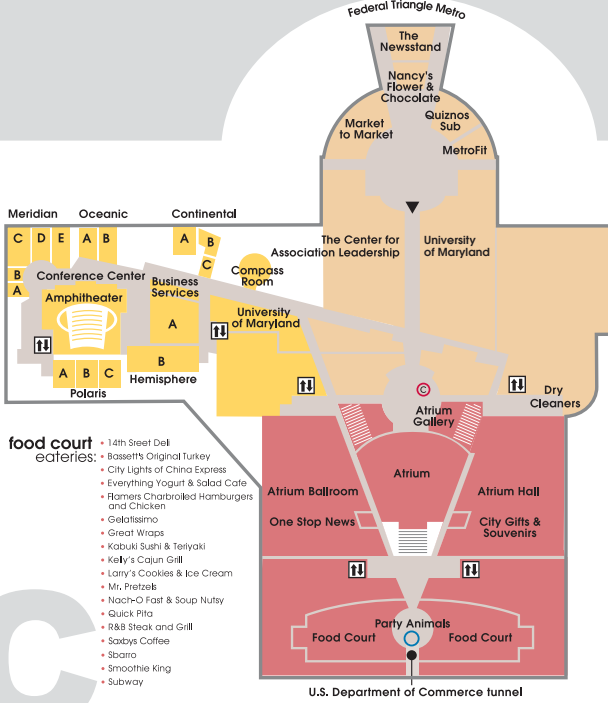
***Plenary and concurrent session speakers' presentations
and/or transcripts will be available online at
eia.gov after the conference.***

2011 EIA ENERGY CONFERENCE

VENUE MAP



Pennsylvania Ave. (access on Ground Level)



CONCOURSE LEVEL
lower level

14th Street (access on Ground Level)



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