

# New Energy Dynamics: Recession and Beyond

*Thirteenth Annual  
Washington Energy Policy Conference*

*Monday, April 27, 2009*

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## Sponsored by:

Global Energy  
and Environment  
Initiative (GEEI)

Johns Hopkins  
University School of  
Advanced International  
Studies (SAIS)

and

National Capital Area  
Chapter

U.S. Association for  
Energy Economics  
(NCAC/USAEE)



**GEEI** | GLOBAL ENERGY AND  
ENVIRONMENT INITIATIVE



**JOHNS HOPKINS**  
UNIVERSITY

- 8:30 AM Registration and Coffee**
- 8:45 AM Opening Remarks**
- Bo Kong, GEEL, SAIS
  - Benjamin Schlesinger, Galway Group, LP
- 9:00 AM Keynote: Jason Grumet, Executive Director, National Commission on Energy Policy**
- 9:30 AM Oil, Gas and Geopolitics – Challenges and Solutions**
- David Goldwyn, Goldwyn International Strategies
  - Adam Sieminski, Deutsche Bank
  - Michelle Patron, PIRA Energy Group
- 10:45 AM Break**
- 11:00 AM Electric Generation for the Future**
- Sue Gander, National Governors Association – Center for Best Practices
  - Jonathan McClelland, MJ Beck Consulting
  - Lisa Wood, Institute for Electric Efficiency
  - Barbara Tyran, Electric Power Research Institute, Inc.
  - Moderator: Charles Ebinger, Brookings
- 12:15 PM Lunch, Herter Room**
- 1:45 PM Break**
- 2:00 PM The Prospects for Transportation**
- Tara Billingsley, Senate Energy and Natural Resources Committee
  - Reid Heffner, Booz Allen Hamilton
  - John German, International Council for Clean Transportation
  - Moderator: Neelesh Nerurkar, BP
- 3:15 PM Break**
- 3:30 PM Climate Change Initiatives**
- Reid Harvey, Environmental Protection Agency
  - Nigel Purvis, Climate Advisors
  - Véronique Bugnion, Point Carbon
  - Moderator: Glen Sweetnam, Energy Information Administration
- 4:45 PM Conclusion/Summing up:**
- Ed Morse, Louis Capital Markets
- 5:00 PM Reception, Herter Room**

## **GLOBAL ENERGY AND ENVIRONMENT INITIATIVE—GEEI SAIS, JOHNS HOPKINS UNIVERSITY**

Based within the International Policy Department, the Global Energy and Environment Initiative (GEEI) works to address key issues in the energy and environment field through quality research, discussion, and publications. It is divided into three areas of activity: original research by top scholars on serious research topics of interest to industry, academia, and government; policy recommendations offered by expert Study Groups formed to develop serious policy dialog on select issues; and, regular substantive seminars and conferences addressing timely issues of interest.

For further information regarding the Global Energy and Environment Initiative, please contact: Dr. Bo Kong, GEEI, Director, SAIS, Johns Hopkins University, 202-349-0987, [geei@jhu.edu](mailto:geei@jhu.edu).

## **NATIONAL CAPITAL AREA CHAPTER UNITED STATES ASSOCIATION FOR ENERGY ECONOMICS**

The National Capital Area Chapter (NCAC) of the United States Association for Energy Economics (USAEE), affiliated with the International Association for Energy Economics (IAEE) is a non-profit, professional society dedicated to improving communications among energy industry professionals and the quality and usefulness of the analysis of energy issues. The chapter is composed of a broad variety of professionals—not only economists—from the metropolitan Washington, D.C. area, who share an interest in the field. NCAC/USAEE provides a forum for the exchange of ideas and information among energy analysts, policymakers, and other individuals involved or interested in energy issues.

For further information regarding the National Capital Chapter of the US-IAEE, please contact: Benjamin Schlesinger, President, (301) 951-7266, [bschles@bsaenergy.com](mailto:bschles@bsaenergy.com).

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### **CONFERENCE PROGRAM COMMITTEE:**

Bo Kong, GEEI, SAIS

Neelesh Nerukar, BP

Peri Ulrey, National Gas Supply Association

Glen Sweetnam, EIA, DOE

Andrew Knox, Booz Allen Hamilton

Charles Ebinger, Brookings

## **SPEAKER BIOGRAPHIES**

*In order of appearance*

Bo Kong

Benjamin Schlesinger

Jason Grumet

David Goldwyn

Adam Sieminski

Michelle Patron

Sue Gander

Jonathan McClelland

Lisa Wood

Barbara Tyran

Charles Ebinger

Tara Billingsley

Reid Heffner

John German

Neelesh Nerurkar

Reid Harvey

Nigel Purvis

Véronique Bugnion

Glen Sweetnam

Ed Morse

## **Dr. Bo Kong**



Bo Kong is Professorial Lecturer of International Policy and Director of the Global Energy and Environment Initiative (GEEI) at the Johns Hopkins University School of Advanced International Studies (SAIS). Additionally, he sits on the Council of the National Capital Area Chapter of the United States Association for Energy Economics (NCAC-USAE). His research covers different dimensions of energy policy and energy governance. Currently, he focuses on Chinese nuclear governance, Chinese overseas minerals investment, and comparative energy policy. His academic and policy publications appear in both Chinese and English and he is the author of an upcoming book entitled *China's International Petroleum Policy*.

Prior to GEEI, he has served a number of positions in the analytical community, including Energy and Mining Associate at Ayrli Partners, Chief Energy Economist for ChinaStakes.com, Visiting Scholar at the Institute for Global Dialogue in South Africa, Research Fellow at the Center for Global Security of the Pacific Northwest National Laboratory, and Research Associate at the Shanghai WTO Affairs Consultation Center.

He received his B.A. in International Trade from Nankai University in Tianjin, China. After graduate studies at the Foreign Affairs University in Beijing and the Hopkins-Nanjing Center for Chinese and American Studies in Nanjing, he earned from SAIS his M.A. in American Foreign Policy and International Economics and Ph.D. in China Studies and International Energy Policy.

## **Dr. Benjamin Schlesinger**



Dr. Benjamin Schlesinger is founding president of Benjamin Schlesinger and Associates (BSA), and managing director and partner of the Galway Group, LP. Dr. Schlesinger is one of North America's leading independent energy consultants, specializing in gas and electricity marketing, pricing, infrastructure, trading practices, strategic planning, and power plant development worldwide. He has nearly four decades of experience in managing and carrying out engineering/economic analyses of complex energy issues, with particular focus on North American energy commodity movements and pricing, policies and programs. Dr. Schlesinger has advised over 400 clients in the U.S., Canada, and fifteen other countries, including the top utility, energy trading and producing, manufacturing, regulatory, educational, private power, and financial services companies. A former vice-president of the American Gas Association, Dr. Schlesinger has testified before the U.S. Congress and in 16 states and provinces on the direction of the gas industry, gas contracting, purchase and sales prices, royalty valuations, market value, hedging and risk management, and related industry practices. Dr. Schlesinger holds an M.S. and a Ph.D. from Stanford University and an undergraduate degree from Dartmouth College

## Jason Grumet



Throughout his career, Jason Grumet has worked at the intersection of policy and politics. In 2007, with the leadership of former U.S. Senate Majority Leaders Howard Baker, Tom Daschle, Bob Dole and George Mitchell, he founded the Bipartisan Policy Center (BPC) to develop and promote bipartisan solutions to the country's most difficult public policy challenges. Currently, the BPC conducts projects in the areas of energy and climate change, national and homeland security, health care, science and transportation policy. Since 2001, Jason has directed the National Commission on Energy Policy (NCEP). NCEP, now a project of the BPC, has released a number of significant studies and continues to actively advocate for its policy recommendations in Congress and with the Administration. Most recently, NCEP worked with Congress on key aspects of the Energy Independence and Security Act of 2007. Prior to joining the Commission, Jason worked for NESCAUM (Northeast States for Coordinated Air Use Management), a nonprofit association of air quality agencies in the Northeast.

Jason is a frequent witness at Congressional hearings and has made appearances on NBC News, CNN, MSNBC, The News Hour with Jim Lehrer, and National Public Radio. He has also been featured in the New York Times, Washington Post, Wall Street Journal, Financial Times, and Los Angeles Times, among other leading publications. In 2007 and 2008 Jason served, in a volunteer capacity, as Chair of the Energy and Environment Policy Group for the Obama for President campaign.

## David Goldwyn



David L. Goldwyn is President of Goldwyn International Strategies LLC, an international energy consulting firm. Through GIS, Goldwyn has advised the World Bank on power sector reform, advised the Federal Government of Nigeria on its EITI implementation program and advised a host of Fortune 100 companies on political risk, economic sanctions, and corporate social responsibility issues. He is a Senior Fellow in the Energy Program at the Center for Strategic and International Studies (CSIS) and serves on the Council of Foreign Relations (CFR) Task Force on Energy Security and CFR Center for Preventive Action Task Forces on Angola, Venezuela and Bolivia.

Goldwyn served as Assistant Secretary of Energy for International Affairs, Counselor to the Secretary of Energy, and national security deputy to Ambassador Bill Richardson, U.S. Permanent Representative to the United Nations under President Bill Clinton. Goldwyn served in the Office of the Under Secretary for Political Affairs at the State Department under Presidents George H.W. Bush and Clinton, acting as Chief of Staff from 1993-1997. Goldwyn first served in the government as an Attorney-Adviser in the Office of the Legal Adviser at the State Department from 1991 to 1992.

Goldwyn has taught a graduate seminar on the Geopolitics of Energy at Columbia and Georgetown Universities, been a frequent commentator on NPR, CNN, the BBC, and in energy trade newspapers. He is a Member of the Council on Foreign Relations, the District of Columbia Bar, and the New York State Bar Association.

Goldwyn is the Chairman of the Board of Global Giving, a foundation dubbed "the e-bay of international development", dedicated to using the internet to match donors with projects in the developing world.

Mr. Goldwyn received a B.A. from Georgetown University. He received an M.A. Public Affairs degree from the Woodrow Wilson School of Public and International Affairs at Princeton University and a J.D. from New York University School of Law.

### **Adam Sieminski**



Adam Sieminski is the Chief Energy Economist for Deutsche Bank, working with the Bank's global commodities research and trading units. He forecasts energy market trends and writes on 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 US during 1988-1997, covering the major US international integrated oil companies. He received both a B.S. in Civil Engineering and an 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 US National Petroleum Council, an advisory group to the US Secretary of Energy. He also acts as a senior advisor for the Center for Strategic and International Studies in Washington and is an advisory board member of the Global Energy and Environment Initiative at Johns Hopkins / SAIS. He is a member of the London, New York and Washington investment professional societies, and holds the Chartered Financial Analyst (CFA) designation.

### **Michelle Patron**



Michelle Patron is a Senior Director at PIRA Energy Group, overseeing the firm's global political risk coverage. Prior to joining PIRA, Ms. Patron was a Fellow at the Council on Foreign Relations and conducted energy research at Deutsche Bank. She spent five years as an international policy advisor at the U.S. DOE, and has also held positions with the U.S. Embassy in Beijing, the International Energy Agency, and the White House. Ms. Patron holds a B.A. from Columbia and an M.A. from Johns Hopkins School of Advanced International Studies.

### **Sue Gander**



Sue Gander directs research, policy analysis, and technical assistance for the Energy, Environment and Natural Resources Division of the National Governor's Association. This division provides governors offices with best practices examples and policy options across a wide range of issues including: energy and transportation infrastructure, energy efficiency and clean energy, green economic development, greenhouse gas management, transportation and land use, alternative fuels and vehicles, housing and community design, military bases, and cleanup and stewardship of nuclear weapons sites. Previously Sue served as a Program Manager for the EPA's Clean Energy-Environment State Partnership Program and Government Relations Director and Senior Policy Analyst for the Center for Clean Air Policy. Sue earned an M.A. in Public Policy from the University of Wisconsin-Madison with a certificate in Energy Analysis and Policy and a B.A. in Public Policy from Brown University. Sue is a LEED accredited professional and a founding board member of GreenHOME.

## **Jonathan McClelland**



Jonathan McClelland works with M.J. Beck Consulting in New York where he advises utility and power sector clients. In this and prior roles, Jonathan has worked with a variety of gas and electric utilities in Australia, Europe and the US on the economic and strategic challenges they face. At M.J. Beck, he also directs subscription services including *THE RPS EDGE<sup>TM</sup>* an online database of State Renewable Portfolio Standards. Prior to joining M.J. Beck, Jonathan worked in London with Power Capital, a financial advisory firm where he specialized in quantifying the impact of national and international renewable energy policies on power asset valuation. He began his career with the energy practice of PA Consulting group where he delivered operational, benchmarking and strategy assignments for utilities in Australia and North America. Jonathan has also worked in Washington D.C. as part of the Global Gas Group of PFC Energy. Jonathan holds an M.A. in International Relations & Economics from Johns Hopkins SAIS where he focused on International Energy Policy. Additionally, he holds B.A.'s in Economics and in Commerce from the University of Queensland, Australia. He is currently President of the SAIS Energy Alumni Network, and serves on the board of New York's Australian Football Team.

## **Dr. Lisa Wood**



Lisa V. Wood is the Executive Director of the Institute for Electric Efficiency. The Institute for Electric Efficiency (IEE) was recently established by the Edison Foundation to advance energy efficiency practices and demand response in the electric utility industry.

Wood joined IEE after more than two decades of consulting experience with electric utilities on a range of retail issues. Her clients included the nation's leading electric utilities. In that role, she directed numerous economic, financial and market analysis studies, with an emphasis on energy efficiency, dynamic pricing, value of electric service reliability, and customer choice for rate options.

Wood has written numerous articles and is a frequent speaker on energy efficiency and dynamic pricing issues in the electric power sector. She most recently authored the Brookings Energy Security Policy Brief, "Making the Business of Energy Efficiency Both Scalable and Sustainable," the Edison Electric Institute report, "Quantifying the Benefits of Dynamic Pricing in the Mass Market," and EPRI's 2008 "Energy Efficiency Planning Guidebook." She also authors an "EE at Work" column in *Electric Perspectives*. Wood is a member of the National Action Plan for Energy Efficiency Leadership Group.

Prior to joining the IEE, Wood was a Principal with The Brattle Group. Prior to that, she was a Principal at PHB Hagler Bailly and a Program Director at Research Triangle Institute. She has a Ph.D. in Public Policy and Management from the Wharton School of the University of Pennsylvania and an M.A. from the University of Pennsylvania.

## **Barbara Tyran**

Barbara Tyran is Director, Washington Relations, in EPRI's regional office in Washington DC. She serves as the principal liaison between EPRI executive management, and Congress, the Administration, the national trade associations, the national leadership of the state public utility commissions, and the Washington energy community.



Ms. Tyran joined EPRI in 1998 after serving for several years as Manager of Federal Government Affairs for two electric utilities, Kansas City Power & Light (now Great Plains Energy, Inc.) and Empire District Electric Company. Previously, she was the Washington Representative for the Detroit Edison Company (now DTE Energy).

Prior to that, Ms. Tyran worked as a management consultant, initially with Booz Allen & Hamilton in their Institutional Management Consulting Division and subsequently, with CC Pace Corporation, where she was engaged with energy-related clients in both the private and public sectors.

Ms. Tyran holds a B.A. degree with Honors from Stanford University and an M.B.A. from Yale University.

## **Dr. Charles Ebinger**



Dr. Charles Ebinger is Director of the Energy Security Initiative and a Senior Fellow at The Brookings Institution. He specializes in international and domestic energy markets (oil, gas, coal and nuclear), the geopolitics of energy, and nuclear non-proliferation, with a particular focus on the Middle East, South Asia, and Africa. Ebinger has served as an energy policy advisor to over 50 governments. He has conducted numerous projects with the World Bank, the EBRD, the ADB, and USAID, among others. Dr. Ebinger earned his PhD from Tuft University's Fletcher School of International Law and Diplomacy.

## **Tara Billingsley**

Tara Billingsley works as a staffer to the Senate Energy and Natural Resources Committee. Her portfolio includes international energy issues, energy markets, and transportation fuels. Prior to joining the Committee, Tara held a series of positions in the Department of Energy and its Energy Information Administration, with responsibilities including briefing the Secretary of Energy, the Office of the Vice President, and the Council of Economic Advisors on energy security issues. Before she entered into government service, Tara had consulting experience as a policy analyst and project manager, and also worked at the Energy and Environmental Program of the Royal Institute of International Affairs in London. She holds degrees from Johns Hopkins SAIS and American University.

## **Dr. Reid (Rusty) Heffner**



Dr. Reid (Rusty) Heffner is an Associate in the transportation practice of Booz Allen Hamilton. Currently, he works with government clients to develop alternative fuel policy and to incorporate advanced vehicles and alternative fuels into government vehicle fleets. Previously, Dr. Heffner spent four years at the University of California – Davis where he collaborated with automakers including General Motors and Toyota in researching consumer adoption of electric-drive vehicles, including hybrid, plug-in hybrid, and fuel-cell vehicles. Dr. Heffner holds an MBA from Georgetown University and a Ph.D. from the University of California – Davis.

## **John German**



John German is a Senior Fellow 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 8 years in Powertrain Engineering working on fuel economy issues. He then spent 13 years doing research and writing regulations for EPA's Office of Mobile Sources' laboratory in Ann Arbor, MI, 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 bachelor's degree in Physics from the University of Michigan.

## **Neelesh Nerurkar**



Neelesh Nerurkar is an economist on BP's group economics team. He analyzes global energy markets to advise BP's strategy and planning decisions, and contributes to the annual BP Statistical Review of World Energy. Neelesh has been with BP since 2003. Prior to joining BP, he carried out economic analysis at several federal agencies including the U.S. Energy Department. He has a B.A. in Economics from the University of Oklahoma and an M.A. from Johns Hopkins University School for Advanced International Studies.

## **Reid Harvey**



Reid Harvey heads the Climate Economics Branch with the U.S. Environmental Protection Agency's Climate Change Division, Office of Atmospheric Programs (OAP). His office in EPA is responsible for developing estimates of the costs and benefits of U.S. domestic and international climate change policies, developing the U.S. greenhouse gas emissions inventory, and supporting design and analyses of national and international GHG cap-and-trade programs. Reid has over 28 years of experience with environmental and energy policy analysis, both at EPA and in the private sector. He holds an M.A. from the Graduate School of Public Policy at the University of California at Berkeley and a B.A. from Duke University.

## **Nigel Purvis**



Nigel Purvis is the founder and president of Climate Advisers. He has more than a decade of experience in climate policy and investment, serving two successive Secretaries of State as a senior U.S. climate change negotiator and participating actively in policymaking in the White House, Congress, United Nations and World Bank. Since leaving government, Nigel has been active in U.S. politics and domestic environmental policy. In 2004, he co-founded and directed a political action committee to support environmentally-minded candidates for federal office. In 2008, he served as a senior adviser on climate change to the Obama-Biden campaign and to its transition team, frequently representing their interests in high level private meetings with the world's leading governments. Previously, Nigel served as vice president of The Nature Conservancy, the world's largest conservation group. Nigel has also held climate and foreign policy research positions at the Brookings Institution, Council on Foreign Relations, Resources for the Future (RFF) and United Nations Foundation. He is currently a visiting scholar at RFF and a non-resident scholar at Brookings.

He is a graduate of Harvard Law School, where he completed his degree with honors and received awards for his international law scholarship.

## **Dr. Véronique Bugnion**



Véronique Bugnion manages Point Carbon's global Trading Analytics and Research efforts, which includes the development of trading, data and research products for the power, natural gas and carbon markets. Véronique is a specialist in energy and environmental markets with experience in analyzing and modelling the U.S. energy markets, with particular focus on the deregulated power markets, the natural gas and emissions markets. Prior to working with Point Carbon, Véronique worked with Goldman Sachs and Constellation Commodities Group. Véronique has a strong publication record in the areas of climate modelling and U.S. climate change policy, she holds a Ph.D. degree in climate physics and an M.Sc in technology and policy, both from M.I.T.

## **Glen Sweetnam**



In October 2005, Glen Sweetnam was named Director of the International, Economic, and Greenhouse Gases Division of the Energy Information Administration. This Division produces the International Energy Outlook, the macroeconomic assumptions underlying the Annual Energy Outlook, and two congressionally mandated reports on U.S. greenhouse gas emissions.

Mr. Sweetnam has 25 years of leadership experience in the energy industry in both the private and public sectors. Prior to joining the EIA, he was a Vice President with Lukens Energy Group, a part of the Enterprise Management Solutions division of Black & Veatch Corporation.

Prior to joining Lukens, Mr. Sweetnam worked at senior levels for both energy merchants and exploration and production companies, including Reliant Energy, ARCO, and Fina Oil and Chemical Company.

In the early 1980s, Mr. Sweetnam was the Director of Economic Analysis in the Department of Energy, where he played a significant role in the deregulation of the domestic natural gas industry.

Glen received a B.S. in Electrical Engineering from Stanford University and a Masters of Public Policy from University of California, Berkeley.

### Dr. Ed Morse



had been CEO.

Ed Morse directs economic research for LCM and LCM Commodities, drawing upon three decades of experience in the energy sector. Dr. Morse joined the firm from Lehman Brothers, where he was head of commodities research. A leading analyst of the international oil and gas sector, Morse's career in energy includes senior positions in business, government, academic and publishing. Before joining Lehman, Morse spent seven years at Hess Energy Trading Co., LLC (HETCO), providing strategic advice to the firm and clients on oil and natural gas market trends. For a decade before then he served as publisher of Petroleum Intelligence Weekly and other industry newsletters published by the Energy Intelligence Group, where

He received his Ph.D. from Princeton University, where he taught for six years before joining the senior research staff at the Council on Foreign Relations. During the Carter and Reagan administrations, Morse held various positions in the Department of State, including Deputy Assistant Secretary for International Energy Policy. He represented the United States at the International Energy Agency. Included in his industry experience is a management position at Phillips Petroleum and co-founder of PFC Energy in Washington DC.

In the winter and spring of 2001 Morse chaired a Task Force on Energy Security, jointly sponsored by the Council on Foreign Relations of New York and the James A. Baker III Institute, and issued two reports recommending urgent changes in US domestic and international energy policy. He currently is a member of the Federal Advisory Committee on Energy & Environment Cooperation with China under the direction of Treasury Secretary Paulson.

Morse is Chairman of the New York Energy Forum and serves on a number of academic advisory boards, including those of the energy programs at Columbia University and Johns Hopkins School of Advanced International Studies. He is a member of the Council on Foreign Relations and of the Oxford Energy Policy Club, as well as a member of the editorial committee of The Geopolitics of Energy and of the journal Oil. Morse is the author of a number of books and dozens of articles on energy, economics and international affairs. He is the recipient of a prize from the International Association for Energy Economics.

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