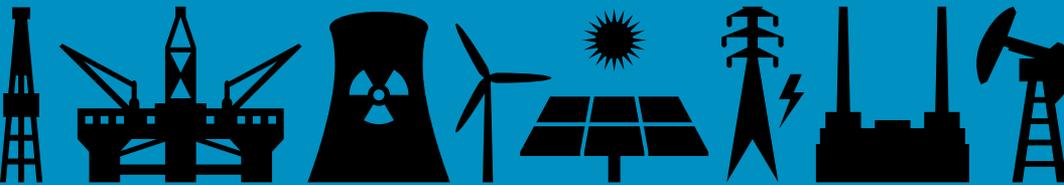


LAUNCH OF THE CENTER ON GLOBAL ENERGY POLICY

Global Energy Policy Conference
Wednesday, April 24, 2013
Low Memorial Library Rotunda
Columbia University



THE CENTER ON GLOBAL ENERGY POLICY

We are at a transformational moment in energy history: new technologies are unlocking vast new resources in North America and elsewhere around the world; the changing energy landscape is reshaping geostrategic and economic relationships and advantages; climate change impacts are projected to be felt more frequently and severely. The Center on Global Energy Policy provides independent, balanced, data-driven analysis to help policymakers navigate the complex world of energy. We approach energy as an economic, security, and environmental concern. And we draw on the resources of a world-class institution, faculty with real-world experience, and a location in the world's finance and media capital.

THE SCHOOL OF INTERNATIONAL AND PUBLIC AFFAIRS (SIPA)

SIPA's mission is to empower people to serve the global public interest. Our goal is to foster economic growth, sustainable development, social progress, and democratic governance by educating public policy professionals, producing policy-related research, and conveying the results to the world. Based in New York City, with a student body that is 50 percent international and educational partners in cities around the world, SIPA is the most global of public policy schools. For more information, please visit www.sipa.columbia.edu.

COLUMBIA UNIVERSITY

A leading academic and research university, Columbia continually seeks to advance the frontiers of knowledge and to foster a campus community deeply engaged in understanding and addressing the complex global issues of our time. Columbia's extensive public service initiatives, cultural collaborations, and community partnerships help define the University's underlying values and mission to educate students to be both leading scholars and informed, engaged citizens. Founded in 1754 as King's College, Columbia University in the City of New York is the fifth oldest institution of higher learning in the United States.

FROM THE DEAN

On behalf of Columbia University's School of International and Public Affairs (SIPA), I am pleased to welcome you to the launch of the Center on Global Energy Policy. Led by founding director Jason Bordoff, the Center is quickly becoming central to Columbia and SIPA's intellectual life. The Center has already held several key events and has announced its first fellow: David Sandalow, former undersecretary (acting) of energy and assistant secretary for policy and international affairs.

The Center embodies SIPA's commitment to innovative teaching, research, and intervention in global public policy. Energy lies at the nexus of many of the world's most urgent and complex policy challenges, and we believe that there is no better place than SIPA for these necessary research and policy initiatives to begin. SIPA is the world's most global public policy school, with a student body that is nearly 50 percent international. Our teaching and research focus on critical global policy areas: human rights, international finance and economic policy, economic and political development, security, urban and social policy, and, of course, energy and the environment. SIPA is also home to 13 transnational, issue-based centers and institutes, and we are delighted to launch the Center on Global Energy Policy as one of our most significant efforts.

Through our location in New York, SIPA is well positioned to convene key players from the academic, policy, and business world. We expect today's conference to be one of the first of many events that inspire conversation and pioneer ideas in the energy policy arena.

We welcome guests to the launch to listen, ask questions, and explore with us what policies can and should most effectively address the energy issues facing our world today.

Sincerely,

Robert C. Lieberman
Interim Dean, School of International and Public Affairs
Professor of Political Science and Public Affairs
Columbia University

FROM THE DIRECTOR

Welcome to the launch of the Center on Global Energy Policy. It is my pleasure to share this day with you as we build a new policy-oriented research center to help policymakers navigate the complex and rapidly changing world of energy through balanced and rigorous analysis.

The world is facing a transformational moment in energy history. New technologies are unlocking vast resources that create new economic and geopolitical opportunities, and global patterns of energy supply, demand, and trade are changing rapidly. Meanwhile, the cost of clean energy technologies continues to fall, deployment of renewables is accelerating, and the impact of climate change is predicted to be felt more frequently and severely.

The vast changes we are experiencing with our energy system must be matched by changes in our energy policy. Decision makers will increasingly be required to consider new policy questions that were difficult to imagine just a few years ago. Moreover, those who are implementing energy policies, no matter what country they hail from, must balance potentially competing economic, security, and environmental considerations.

The choices we make in the coming years, both domestically and globally, will be of profound importance in balancing these multiple objectives. Smart policies will be key to meeting the defining challenge of the next generation—how to sustainably provide billions of people with reliable, affordable, secure access to energy.

The Center on Global Energy Policy is committed to informing those choices with the kind of independent and balanced analysis that all too often is missing in public debate, developed so as to maximize real-world impact with concrete, specific, and practical policy recommendations.

Thank you for joining us today. I hope you will find the Center's work valuable and enriching, and I look forward to your continued involvement in our work to explain how we can, collectively, meet the challenges and realize opportunities presented by today's new energy landscape.

Sincerely,

Jason Bordoff

Professor of Professional Practice in International and Public Affairs
Director, Center on Global Energy Policy

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Welcoming Remarks

Lee C. Bollinger, President, Columbia University

Introductory Remarks

Robert C. Lieberman, Interim Dean, SIPA

Vision of the Center

*Jason Bordoff, Professor of Professional Practice in International and Public Affairs,
SIPA; Director, Center on Global Energy Policy*

The Changing Energy Landscape

*Daniel Yergin, Pulitzer-Prize winning author and founder of
Cambridge Energy Research Associates*

Opening Remarks

Hon. Michael R. Bloomberg, Mayor, City of New York

Keynote Conversation

*Thomas Donilon, National Security Advisor, National Security Council
and Daniel Yergin*

Conference Address

Ryan Lance, Chairman and CEO, ConocoPhillips

Followed by Conversation with Jason Bordoff

Conference Address

Daniel Poneman, Deputy Secretary, U.S. Department of Energy

Followed by Conversation with Jason Bordoff

**Roundtable, “New Directions for Energy Policy:
Domestic and International”**

Jason Bordoff

*Carlos Pascual, Special Envoy and Coordinator for International Energy Affairs,
U.S. Department of State*

Dr. Andrew Steer, President and CEO, World Resources Institute

Daniel Yergin

Moderator: *Dr. Susan Tierney, Managing Principal, Analysis Group*

Wrap Up

Jason Bordoff



MICHAEL R. BLOOMBERG

108th Mayor of the City of New York

Mayor Bloomberg began his career in 1966 at Salomon Brothers, and after being let go in 1981, he began Bloomberg LP, a global media company that today has more than 310,000 subscribers to its financial news and information service.

As his company grew, Mayor Bloomberg started directing more of his attention to philanthropy. He has sat on the boards of numerous charitable institutions, including Johns Hopkins University, where he helped build the Bloomberg School of Public Health into one of the world's leading institutions of public health research and training.

In 2001 he ran for mayor of the City of New York and, in a major upset, won the election. In office, Mayor Bloomberg has cut crime by more than 35 percent and created jobs by attracting new investment and supporting small business growth. He has implemented ambitious public health strategies, including the ban on smoking in restaurants and bars, and expanded support for arts and cultural organizations. His education reforms have driven graduation rates up 40 percent since 2005.

The mayor's economic policies have helped New York City avoid the level of job losses that many other cities experienced during the national recession. And since October 2009, New York has added twice as many private sector jobs as the next ten largest U.S. cities combined.

Mayor Bloomberg attended Johns Hopkins University and received an MBA from Harvard Business School. He is the father of two daughters, Emma and Georgina.



JASON BORDOFF

Professor of Professional Practice in
International and Public Affairs
Director, Center on Global Energy Policy

Jason Bordoff joined the Columbia faculty after serving until January 2013 as special assistant to the president and senior director for energy and climate change on the staff of the National Security Council, and, prior to that, holding senior policy positions on the White House's National Economic Council and Council on Environmental Quality. One of the nation's top energy policy experts, Professor Bordoff joined the administration in April 2009. At Columbia's School of International and Public Affairs, Professor Bordoff is a professor of professional practice and serves as director of SIPA's Center on Global Energy Policy.

His research and policy interests lie at the intersection of economics, energy, environment, and national security. Prior to joining the White House, Professor Bordoff was the policy director of the Hamilton Project, an economic policy initiative housed at the Brookings Institution. He is also a member of the Council on Foreign Relations, a consultant to the National Intelligence Council, and serves on the board of the Association of Marshall Scholars. During the Clinton administration, Professor Bordoff served as an adviser to the deputy secretary of the U.S. Treasury Department. He was also a consultant with McKinsey & Company, one of the leading global strategy consultancies.

He 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. Professor Bordoff also holds an MLitt degree from Oxford University, where he studied as a Marshall Scholar, and a BA magna cum laude and Phi Beta Kappa from Brown University.



THOMAS DONILON
National Security Advisor

Thomas Donilon is President Obama's national security advisor. He oversees the National Security Council Staff, chairs the cabinet-level National Security Principals Committee, provides the president's daily national security briefing, and is responsible for the coordination and integration of the administration's foreign policy, intelligence, and military efforts. Mr. Donilon previously served as assistant to the president and principal deputy national security advisor. In that role he was responsible for managing the U.S. government's national security policy development and crisis management process. Prior to his government service, Mr. Donilon was a partner at the international law firm of O'Melveny & Myers and served as a member of the firm's global governing committee.

Mr. Donilon has worked closely with and advised three U.S. presidents since his first position at the White House in 1977 working with President Carter. He served as assistant secretary of state and chief of staff at the U.S. Department of State during the Clinton administration. In this capacity Mr. Donilon was responsible for the development and implementation of the Department's major policy initiatives, including NATO expansion, the Dayton Peace Accords, and the Middle East Peace process. Mr. Donilon received the Secretary of State's Distinguished Service Award, the Department's highest award, in November 1996. Mr. Donilon has been a member of the Council on Foreign Relations, the Aspen Strategy Group, the National Security Advisory Group to the Congressional Leadership, the Brookings Institution Board of Trustees, the Miller Center of Public Affairs Governing Council, and the Trilateral Commission.

He received his undergraduate degree from Catholic University and his law degree from the University of Virginia. He lives in Washington, D.C., with his wife, Cathy Russell, and their children, Sarah (16) and Teddy (13).

Ms. Russell is chief of staff to Dr. Jill Biden. Ms. Russell has been nominated by the president to serve as Ambassador-at-Large for Global Women's Issues at the State Department.



RYAN LANCE
Chairman and CEO, ConocoPhillips

Ryan M. Lance is chairman and chief executive officer of ConocoPhillips. A petroleum engineer, Mr. Lance has 28 years of oil and natural gas industry experience in senior management and technical positions with ConocoPhillips predecessor, Phillips Petroleum, and various divisions of ARCO.

Before assuming the role of chairman and chief executive officer in May 2012, Mr. Lance served as senior vice president of exploration and production—international. Previously he was president, of exploration and production—Asia, Africa, Middle East, and Russian/Caspian and senior vice president of technology in 2007, and senior vice president of technology and major projects in 2006. Prior assignments have included appointments as president of downstream strategy, integration, and specialty functions (2005) and president of Asia Pacific exploration and production (2003). He served as vice president of Lower 48 in 2002, upon the merger with Conoco. In 2001, Mr. Lance was general manager of the U.S. Lower 48 and Canadian operations for Phillips.

Earlier in his career, Mr. Lance spent 17 years with ARCO, becoming vice president of Western North Slope operations in Alaska, which was acquired by Phillips in 2001. He joined ARCO in 1984 and held various management, engineering, and operations positions internationally as well as in Alaska and the U.S. Lower 48.

Mr. Lance is the chairman of the executive committee for ConocoPhillips and serves on the board of directors for Spindletop International as well as on the Montana Tech Foundation's board and the University of Houston's Energy Advisory Board. He is a member of the Society of Petroleum Engineers. Mr. Lance earned a B.S. degree in petroleum engineering from Montana Tech in Butte in 1984.



CARLOS PASCUAL

Special Envoy and Coordinator for International Energy Affairs

Ambassador Carlos Pascual is the State Department's special envoy and coordinator for international energy affairs. Then Secretary of State Hillary Rodham Clinton appointed Ambassador Pascual to this position, effective May 18, 2011. In this capacity, he advises the secretary on energy issues, ensuring that energy security is advanced at all levels of U.S. foreign policy. Prior to his appointment, Ambassador Pascual served as the United States ambassador to Mexico (2009–2011) and was vice president and director of the Foreign Policy Studies Program at the Brookings Institution (2003–2009).

During his extensive career in public service, Ambassador Pascual has held positions in the Department of State, the National Security Council (NSC), and the United States Agency for International Development (USAID). He served as coordinator for reconstruction and stabilization at the U.S. Department of State, where he led and organized U.S. government planning to help stabilize and reconstruct societies in transition from conflict or civil strife.

Ambassador Pascual served as coordinator for U.S. assistance to Europe and Eurasia (2003), where he oversaw regional and country assistance strategies to promote market-oriented and democratic states. He also served as U.S. ambassador to Ukraine (2000–2003), special assistant to the president and National Security Council senior director for Russia, Ukraine, and Eurasia (1998–2000), and director for the same region (1995–1998). Before then, Ambassador Pascual worked for USAID in Sudan, South Africa, and Mozambique, and as deputy assistant administrator for Europe and Eurasia (1983–1995).

Ambassador Pascual received his MPP degree from the Kennedy School of Government at Harvard University in 1982 and his BA from Stanford University in 1980. He has served on the boards of directors for the National Endowment for Democracy, Freedom House, and the Internews Network. He has also served on the advisory group for the United Nations Peacebuilding Fund.



DANIEL B. PONEMAN

Deputy Secretary of Energy

Daniel B. Poneman was nominated by President Obama to be deputy secretary of energy on April 20, 2009, and was confirmed by the United States Senate on May 18, 2009. Under the leadership of Secretary of Energy Steven Chu, Mr. Poneman also serves as chief operating officer of the department.

Mr. Poneman first joined the Department of Energy in 1989 as a White House fellow. The next year he joined the National Security Council staff as director of Defense Policy and Arms Control.

From 1993 through 1996, Mr. Poneman served as special assistant to the president and senior director for nonproliferation and export controls at the National Security Council. His responsibilities included the development and implementation of U.S. policy in such areas as peaceful nuclear cooperation, missile technology, space-launch activities, sanctions determinations, chemical and biological arms control efforts, and conventional arms transfer policy. During this time, he also participated in negotiations and consultations with governments in Africa, Asia, Europe, Latin America, and the former Soviet Union.

After leaving the White House, Mr. Poneman served as a member of the Commission to Assess the Organization of the Federal Government to Combat the Proliferation of Weapons of Mass Destruction and a number of other federal advisory panels.

Prior to assuming his responsibilities as deputy secretary, Mr. Poneman served as a principal of The Scowcroft Group for eight years, providing strategic advice to corporations on a wide variety of international projects and transactions. Between tours of government service, he practiced law for nine years in Washington, D.C.—first as an associate at Covington & Burling, later as a partner at Hogan & Hartson—assisting clients in regulatory, policy, and transactional matters, international arbitration, commercial real estate financing, export controls, and sanctions and trade policy.

Mr. Poneman received AB and JD degrees with honors from Harvard University and an MLitt in politics from Oxford University. He has published widely on national security issues and is the author of *Nuclear Power in the Developing World and Argentina: Democracy on Trial*. His third book, *Going Critical: The First North Korean Nuclear Crisis* (coauthored with Joel Wit and Robert Gallucci), received the 2005 Douglas Dillon Award for Distinguished Writing on American Diplomacy. Mr. Poneman is a member of the Council of Foreign Relations.

Mr. Poneman lives in Virginia with his wife, Susan, and their three children.



DR. ANDREW STEER
President, World Resources Institute

Dr. Andrew Steer is the third president of the World Resources Institute. He has three decades of experience working on international development on the frontline in Asia and Africa and at a senior level in international policy roles.

Dr. Steer joined WRI from the World Bank, where he served as special envoy for climate change since 2010. In this role he guided Bank Group efforts on climate change in more than 130 countries, oversaw the \$7 billion Climate Investment Funds, and led the World Bank's engagement on international climate negotiations. He was a member of UN Secretary-General Ban Ki-moon's High Level Panel on Sustainable Energy for All and on the B20 Board on Green Growth.

From 2007 to 2010, he served as director general and member of the management board at the UK Department of International Development (DFID) in London. In this capacity he was responsible for overseeing the development policy analysis and research for the UK Government.

Prior to joining the UK Government, Dr. Steer held several senior posts at the World Bank, including director of the Environmental Department, where he oversaw a major expansion of the Bank's environmental program, and a number of important innovations, including natural capital accounting and the introduction of carbon trading at the World Bank. For a decade (1997–2007) he was resident in East Asia, where he directed World Bank operations in Vietnam and Indonesia. In earlier years he was head of the bank's Country Risk Department and was also director and chief author of the 1992 World Development Report on Environment and Development, the bank's flagship report to the Rio Earth Summit.

Dr. Steer was educated at St. Andrews University, Scotland, the University of Pennsylvania, and at Cambridge University. He has a PhD in economics, has written widely on sustainable development issues, and has taught at several universities.

He is married to Dr. Liesbet Steer and has two children, Charlotte (11) and Ben (10).



DR. SUSAN TIERNEY
Managing Principal, Analysis Group

Dr. Susan Tierney, a managing principal at Analysis Group, is an expert on energy policy and economics, specializing in the electric and gas industries. She has consulted to companies, governments, nonprofits, and other organizations on energy markets, economic and environmental regulation and strategy, and energy facility projects. Her expert witness, business consulting, and arbitration services have involved industry restructuring, market analyses, regulatory policies for renewables and energy efficiency, transmission planning, siting and cost allocation, wholesale and retail market design, contract disputes, resource planning, resource procurement analysis, market monitoring, and asset valuations.

In addition, Dr. Tierney's work has covered regional transmission organizations, siting of generation and transmission facilities and natural gas pipeline projects, natural gas markets, electric system reliability, and environmental policy and regulation. A former assistant secretary for policy at the U.S. Department of Energy and state public utility commissioner, she is a member of the Bipartisan Policy Center's energy project and the secretary of energy's Advisory Board. She has been appointed to the National Petroleum Council. Dr. Tierney also serves as an ambassador for the U.S. Clean Energy Education & Empowerment program, an initiative of the Department of Energy and MIT. In 2012, Dr. Tierney received the Hall of Fame award from the New England Clean Energy Council for outstanding achievements in accelerating the region's clean energy economy. She has published widely and frequently speaks at industry conferences. She holds a PhD and MA in regional planning and public policy from Cornell University and a BA from Scripps College.



DANIEL YERGIN

Cofounder and Chairman,
Cambridge Energy Research Associates
IHS Vice Chairman

Daniel Yergin, IHS vice chairman, is a Pulitzer Prize–winning author and leading authority on energy, international politics, and economics and is a recipient of the United States Energy Award for “lifelong achievements in energy and the promotion of international understanding.”

His latest book, *The Quest: Energy, Security, and the Remaking of the Modern World*, has been hailed as “a fascinating saga” about the “quest for sustainable resources of energy” and “the book you must read to understand the future of our economy and our way of life.”

The Quest is the follow-up to Dr. Yergin’s previous book, *The Prize: The Epic Quest for Oil Money and Power*, which received the Pulitzer Prize and became a number one *New York Times* best seller that has been translated into 17 languages.

Other significant works by Dr. Yergin include *Commanding Heights: The Battle for the World Economy, Russia 2010, Energy Future*, and *Shattered Peace*. Dr. Yergin has also written for *The New York Times*, *Wall Street Journal*, *Financial Times*, *Foreign Affairs*, *Foreign Policy*, *The Atlantic*, *International Herald Tribune*, and many other publications. He is also CNBC’s global energy expert.

Both *The Prize* and *Commanding Heights* were made into award-winning documentaries. The eight-hour miniseries *The Prize* was aired on PBS, BBC, and NHK and viewed by 20 million viewers in the United States alone. The six-hour documentary of *Commanding Heights* that Dr. Yergin produced received three Emmy nominations, the CINE Golden Eagle award, and the New York Festivals Gold World Medal for best documentary.

Dr. Yergin serves on the U.S. Secretary of Energy Advisory Board and chaired the U.S. Department of Energy’s Task Force on Strategic Energy Research and Development. He is a trustee of the Brookings Institution and is on the board of the New America Foundation and on the advisory boards of the Massachusetts Institute of Technology’s Energy Initiative and the Institute for 21st Century Energy.

Dr. Yergin holds a BA from Yale University, where he founded *The New Journal*, and a PhD from Cambridge University, where he was a Marshall Scholar. He has taught at the Harvard Business School and the Kennedy School of Government at Harvard University.

UPCOMING EVENTS

U.S. Shale Gas & Pacific Gas Market: Pacific LNG Trade & Gas Pricing Issues

Tuesday, May 14

9:00 a.m.–5:00 p.m.

Faculty House at Columbia University

64 Morningside Drive

New York, NY 10027

Cohosted by the Center on Global Energy Policy at Columbia University and the Center for Energy Governance & Security at Hanyang University, this forum will focus on the impact of potential U.S. natural gas exports on Asia-Pacific energy security. While there has been considerable analysis of the U.S. economic and environmental implications of LNG exports, there has been less analysis to date on the impact on Pacific energy markets, economic growth, CO² emissions, or geopolitical and international security priorities. This forum will address these and other issues and attempt to lay the groundwork for future research projects and for sustained U.S.-Pacific collaboration in assessing and refining policies and technologies that support safe and responsible natural gas development. For additional information, please contact Jesse McCormick (JMcCormick@columbia.edu; 212-851-0188).

Columbia Alumni Association Event: The North American Energy Renaissance and Its Policy Implications

Wednesday, May 15

5:30 p.m. Program

6:30 p.m. Reception

Houston, Texas

Location TBD

Jason Bordoff, professor of professional practice in international and public affairs and director of the Center on Global Energy Policy, will provide remarks on the North American energy renaissance and its wide-reaching policy implications, including those for infrastructure, exports, safety and regulation, biofuels, resilience, and climate change. A reception will follow the event. For additional information, please contact Scott Pesner (sp3078@columbia.edu; 212-854-8598).

International Energy Policy Conference

Thursday, June 6

Time TBD

Simpsons-in-the-Strand

100 Strand, London

Greater London WC2R 0EW

United Kingdom

The Center on Global Energy Policy will hold an international energy policy conference in London, England. For additional information, please contact Jesse McCormick (JMcCormick@columbia.edu; 212-851-0188).

