

# Consequences of an Emerging U.S. Energy and Climate Policy on Global Energy Markets

Speaker Biographies



JAMES A. BAKER III  
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# Abdulaziz Al-Attar

## Head of Houston Office

### Kuwait Petroleum Corporation

In 1992, Mr. Al-Attar joined Kuwait Petroleum Corporation as a Sales Representative, International Marketing. In 1995, he was assigned overseas to the Kuwait Petroleum (Far East) Singapore Regional Office. In 1998, he joined the Market Research Department in KPC to conduct economic studies of Crude Oil and Petroleum Products and identified sales opportunities and challenges.

In 2000, Mr. Al-Attar was nominated for 5 years by Kuwait to join OPEC as a Fiscal Policies Analyst (diplomatic status). In 2005, he rejoined Kuwait Petroleum Corporation, Market Research Department. Since November 2008, he has been transferred, as Head of Kuwait Petroleum Corporation (Houston office).

His studies included (1992) University of Louisiana, Bachelor of Science of Petroleum Engineering; (1999) The College of Petroleum and Energy, Oxford, UK, Post Graduate Diploma in Petroleum Exploration & Production Economics; (2001) University of Dundee, Scotland, UK, Masters in Petroleum & Policy. He has published several papers.

# James A. Baker, III

## Honorary Chair

James A. Baker III Institute for Public Policy

James A. Baker, III, has served in senior government positions under three United States presidents. He served as the nation's 61st secretary of state from January 1989 through August 1992 under President George H.W. Bush. During his tenure at the State Department, Baker traveled to 90 foreign countries as the United States confronted the unprecedented challenges and opportunities of the post-Cold War era. Baker's reflections on those years of revolution, war and peace — "The Politics of Diplomacy" — was published in 1995.

Baker served as the 67th secretary of the treasury from 1985 to 1988 under President Ronald Reagan. As treasury secretary, he was also chairman of the President's Economic Policy Council. From 1981 to 1985, he served as White House chief of staff to President Reagan. Baker's record of public service began in 1975 as under secretary of commerce to President Gerald Ford. It concluded with his service as White House chief of staff and senior counselor to President Bush from August 1992 to January 1993.

Long active in American presidential politics, Baker led presidential campaigns for Presidents Ford, Reagan and Bush over the course of five consecutive presidential elections from 1976 to 1992.

A native Houstonian, Baker graduated from Princeton University in 1952. After two years of active duty as a lieutenant in the United States Marine Corps, he entered The University of Texas School of Law at Austin. He received his J.D. with honors in 1957 and practiced law with the Houston firm of Andrews and Kurth from 1957 to 1975.

Baker's memoir — "Work Hard, Study ... and Keep Out of Politics! Adventures and Lessons from an Unexpected Public Life" — was published in October 2006.

Baker received the Presidential Medal of Freedom in 1991 and has been the recipient of many other awards for distinguished public service, including Princeton University's Woodrow Wilson Award, the American Institute for Public Service's Jefferson Award, Harvard University's John F. Kennedy School of Government Award, The Hans J. Morgenthau Award, The George F. Kennan Award, the Department of the Treasury's Alexander Hamilton Award, the Department of State's Distinguished Service Award and numerous honorary academic degrees.

Baker is presently a senior partner in the law firm of Baker Botts. He is the honorary chairman of the James A. Baker III Institute for Public Policy at Rice University and serves on the board of the Howard Hughes Medical Institute. From 1997 to 2004, Baker served as the personal envoy of United Nations Secretary-General Kofi Annan to seek a political solution to the conflict over Western Sahara. In 2003, Baker was appointed special presidential envoy for President George W. Bush on the issue of Iraqi debt. In 2005, he was co-chair, with former President Jimmy Carter, of the Federal Commission on Election Reform. Since March 2006, Baker and former U.S. Congressman Lee H. Hamilton have served as the co-chairs of the Iraq Study Group, a bipartisan blue-ribbon panel examining a forward-looking approach to Iraq.

Baker was born in Houston, Texas, in 1930. He and his wife, the former Susan Garrett, currently reside in Houston and have eight children and 17 grandchildren.

# William M. Bumpers

## Partner

Baker Botts, L.L.P.

Bill Bumpers is an environmental partner in the Washington, D.C., office of Baker Botts and heads the firm's global Climate Change Practice. Mr. Bumpers focuses on the Clean Air Act and climate change issues. He has an active environmental regulatory, litigation and transactional practice, representing petroleum refineries, investment companies, electric generators and pharmaceutical and chemical manufacturers. He is regarded as a national authority on new source review issues affecting the electric generation and petroleum refinery industries. He previously served on the EPA's New Source Review Reform Subcommittee of the Clean Air Act Advisory Committee.

Mr. Bumpers also is a leading authority on climate change issues, including carbon trading mechanisms in the United States and internationally pursuant to the Kyoto Protocol. He has been involved with climate change issues since his work on energy policy and climate change as a graduate student in 1977. He has been involved in transactions involving Clean Development Mechanism (CDM) projects or Certified Emission Reduction (CER) sales in Malaysia, China, Liberia and Equatorial Guinea. He also represents companies involved in the capture and storage of GHG emissions and has helped pioneer the creation and sale of carbon storage rights in the United States. Mr. Bumpers

also represents a wide range of companies on developing policy and regulatory issues in the United States and regarding the creation and sale of GHG emission offsets.

# H.E. Mohamed Bin Dhaen Al-Hamli

## Minister of Energy

United Arab Emirates

His Excellency Mohamed Bin Dhaen Al-Hamli is the minister of energy of the United Arab Emirates (UAE), a position he has held since 2004.

Previously he was president of Organization of the Petroleum Exporting Countries (OPEC), where he served as UAE governor between 1994 and 2002.

During 1989-2004 he worked at the Abu Dhabi National Oil Company (ADNOC), where he served as director of marketing and refining, director of personnel, director of marketing and director of finance. He has also served as the general man-

ager of ADNOC Distribution, as a board member and vice chairman of the International Petroleum Investment Company (IPIC), and as a member of the Consultative Committee of the Supreme Petroleum Council.

He has a degree from Harvard Business School's Advanced Management Program.

# Ambassador Edward P. Djerejian

## Founding Director

James A. Baker III Institute for Public Policy

Ambassador Edward P. Djerejian, the founding director of the James A. Baker III Institute for Public Policy at Rice University, is one of the United States' most distinguished diplomats, whose career has spanned the administrations of eight U.S. presidents. Ambassador Djerejian is a leading expert on the complex political, security, economic, religious and ethnic issues of the Middle East. He has played key roles in the Arab-Israeli peace process, the U.S.-led coalition against Saddam Hussein's invasion of Kuwait, successful efforts to end the civil war in Lebanon, the release of U.S. hostages in Lebanon, and the establishment of collective and bilateral security arrangements in the Persian Gulf. He is the author of "Danger and Opportunity: An American Ambassador's Journey Through the Middle East" (Simon & Schuster Threshold Editions, September 2008).

Prior to his nomination by President Bill Clinton as U.S. ambassador to Israel, he served both President George H.W. Bush and President Clinton as assistant secretary of state for Near Eastern Affairs and President Ronald Reagan and President Bush as U.S. ambassador to the Syrian Arab Republic. Djerejian has also served as deputy assistant secretary of Near Eastern and South Asian Affairs, as deputy chief of the U.S. mission to the Kingdom of Jordan, and as special assistant to President Reagan and deputy press secretary for foreign affairs in the White House.

Djerejian joined the Foreign Service in 1962, and his assignments included political officer in Beirut, Lebanon, and Casablanca, Morocco; he also was consul general in Bordeaux, France. He headed the political section in the U.S. Embassy in Moscow during the critical period in U.S.-Soviet relations marked by the invasion of Afghanistan. He served in the

United States Army as a first lieutenant in the Republic of Korea following his graduation from the School of Foreign Service at Georgetown University.

He holds a bachelor of science and an honorary doctorate in humanities from Georgetown University, and a doctor of laws, honoris causa, from Middlebury College. He speaks Arabic, Russian, French and Armenian.

Djerejian has been awarded the Presidential Distinguished Service Award, the Department of State's Distinguished Honor Award, the President's Meritorious Service Award, the Anti-Defamation League's Moral Statesman Award, and the Ellis Island Medal of Honor. He is also a recipient of the Association of Rice Alumni's Gold Medal, the group's most prestigious award for his service to the university.

Djerejian was asked by Secretary of State Colin Powell to chair a congressionally mandated bipartisan Advisory Group on Public Diplomacy in the Arab and Muslim World. The bipartisan advisory group published its report in October 2003. Former President Clinton invited him to serve as an Advisory Board member of the Clinton Global Initiative's working group on Mitigating Religious and Ethnic Conflict. Djerejian served in 2006 as senior advisor to the Iraq Study Group (ISG), a bipartisan panel mandated by the Congress to assess the current and prospective situation in Iraq. The Baker Institute was an organizing sponsor of the ISG.

He is managing partner of Djerejian Global Consultancies, LLP, and is also on several public and nonprofit boards, including the Brookings Doha Center International Advisory Group.

Djerejian is married to the former Françoise Andrée Liliane Marie Haelters. They have a son, Gregory Peter Djerejian; a daughter, Francesca Natalia Djerejian; and two grandchildren, Isabel Alessandra Djerejian and Sebastian Edward Djerejian.

# Mahmoud A. El-Gamal, Ph.D.

## Will Clayton Fellow in International Economics

James A. Baker III Institute for Public Policy

### Chair, Department of Economics

Rice University

Mahmoud A. El-Gamal, Ph.D., is the Will Clayton Fellow in International Economics at the James A. Baker III Institute for Public Policy. He is the chair of and a professor in the Department of Economics at Rice University, where he also holds the endowed Chair in Islamic Economics, Finance and Management. Before joining Rice in 1998, he was an associate professor of economics at the University of Wisconsin–Madison. He has also worked as an assistant professor at the University of Rochester and the California Institute of Technology; as an economist at the

Middle East department of the International Monetary Fund (1995–96); and as the first scholar in residence on Islamic finance at the U.S. Department of Treasury (2004). El-Gamal has published extensively on finance, econometrics, decision science, economics of the Middle East and Islamic transactions law. His recent books include "Islamic Finance: Law, Economics, and Practice" (Cambridge University Press, 2006) and "Oil, Dollars, Debt, and Crises: The Global Curse of Black Gold" (with Amy Myers Jaffe; Cambridge University Press, 2010).

# Ambassador Ghanim Al-Jumaily, Ph.D.

## Ambassador of Iraq to Saudi Arabia

Dr. Al-Jumaily is currently serving as the Ambassador of Iraq to the Kingdom of Saudi Arabia since March of 2009. Prior to that he served as the Ambassador of Iraq to Japan since July of 2004. Dr. Al-Jumaily holds a Ph.D. in Electrical Engineering from the University of New Mexico (1987), a Master of Science in Optics from the University of Arizona (1983) and a B.Sc. in Physics from the University of Baghdad (1974). He spent his professional life working in different fields of engineering and engineering management at Bar Associates, NASA-JPL, and Seagate Technology. He was born (1950) and educated in Baghdad. Dr. Al-Jumaily has published over thirty scientific papers in revered journals, edited

two books and holds four patents. In addition he worked extensively in the humanitarian field delivering aid to many places such as Iraq, Afghanistan and East Africa.

# Arthur Hanna

## Energy Industry Managing Director

Accenture

Arthur Hanna is the Industry Managing Director of Accenture's Energy Practice. Prior to taking on this position Arthur headed up the Energy Downstream Business and led a wide portfolio of work for a variety of super major and NOC clients.

During his career at Accenture he has focused primarily on business strategy development and implementation. His client experiences span post merger integration, new operating model architectures and implementation, business trends, consumer research, brand management, new product development, market entry strategies and global deployment of new operating models and systems.

Arthur has had broad international experience having led engagements in Argentina, Australia, China, India, Germany, Italy, Kuwait and the USA.

Whilst working in the industry he and his family have been posted to Dubai, Oman, France and the USA. Arthur joined Accenture in 1990 and became a senior executive in 2000. Prior to that Arthur had 10 years international management experience with BP Oil International.

Arthur has a BSc (Hons) in Economics and Economic Policy from Loughborough University, England.

# Doug McKay

## Vice President, International Organizations

Shell International

Doug McKay is Vice President, International Organizations, responsible for Shell relationships with key international organizations including the UN, IMF, OECD, NATO, ASEAN, IEA and the G8/G20.

Previously he was Vice President Oman, Qatar, Saudi Arabia, India responsible for governance of Shell Gas & Power activities which included LNG supply projects, LNG import terminals and a Gas to Liquids project. He was a Director of Oman LNG, Qalhat LNG, Hazira Regas and Qatar Shell Research and Technology.

VP Strategy, Portfolio and Planning in Shell Gas and Power, responsible for GP strategy, portfolio management and planning plus investor relation activities.

Senior Energy Analyst with Shell Scenarios, responsible for long term outlooks on energy, environment and technology and development of Shell CO2 policies.

Senior Financial Analyst with the World Bank, responsible for multiple oil rehabilitation loans to Russian oil companies and execution of an emergency oil spill cleanup in the Komi Republic.

Manager of Economics and Planning for an international engineering consulting firm responsible for feasibility, planning and policy studies of energy projects around the world.

He has an MBA in Finance from York University in Canada and a Masters of Mathematics from the University of Waterloo in Canada.

# Kenneth B. Medlock III, Ph.D.

## James A. Baker, III, and Susan G. Baker Fellow in Energy and Resource Economics

James A. Baker III Institute for Public Policy

Kenneth B. Medlock III is the James A. Baker, III, and Susan G. Baker Fellow in Energy and Resource Economics at the Baker Institute and adjunct professor in the Rice University Department of Economics. Medlock received a Ph.D. in economics from Rice in 2000 and was the Baker Institute's M. D. Anderson Fellow from 2000 to 2001. Afterward, he held the position of corporate consultant at El Paso Energy Corporation.

Medlock leads the Baker Institute Energy Forum's natural gas program. He is a principal in the development of the Rice World Natural Gas Trade Model, aimed at assessing the future of international

natural gas trade. He also teaches introductory and advanced courses in energy economics. Medlock's research covers a wide range of topics in energy economics and has been published in numerous academic journals, book chapters and industry periodicals, as well as in various Energy Forum studies. He is a member of the International Association of Energy Economics (IAEE), and in 2001 he won (joint with Ron Soligo) the IAEE Award for Best Paper of the Year in the Energy Journal.

Medlock has served as an advisor to the Department of Energy in its energy modeling efforts and is a regular participant

in Stanford University's Energy Modeling Forum. Medlock was the lead modeler of the Modeling Subgroup of the 2003 National Petroleum Council (NPC) study of North American natural gas markets, was a contributing author to the California Energy Commission's and Western Interstate Energy Board's "Western Natural Gas Assessment" in 2005, and contributed to the 2007 NPC study, "Facing the Hard Truths."

# Amy Myers Jaffe

## Wallace S. Wilson Fellow in Energy Studies

James A. Baker III Institute for Public Policy

Amy Myers Jaffe, a Princeton University graduate in Arabic studies, is the Wallace S. Wilson Fellow in Energy Studies and director of the Energy Forum at the Baker Institute, as well as associate director of the Rice Energy Program. Jaffe's research focuses on oil geopolitics, strategic energy policy including energy science policy, and energy economics. Jaffe was formerly senior editor and Middle East analyst for Petroleum Intelligence Weekly. She is widely published and served as co-editor of "Energy in the Caspian Region: Present and Future" (Palgrave, 2002) and "Natural Gas and Geopolitics: From 1970 to 2040" (Cambridge University Press, 2006), and as co-author of "Oil, Dollars, Debt, and Crises: The Global Curse of Black Gold"

(with Mahmoud A. El-Gamal; Cambridge University Press, 2010). Jaffe also contributed to Foreign Policy's "21 Solutions to Save the World" (May/June 2007). She served as a member of the reconstruction and economy working group of the Baker/Hamilton Iraq Study Group, as project director for the Baker Institute/Council on Foreign Relations Task Force on Strategic Energy Policy, and as a principal adviser to USAID's project on "Options for Developing a Long Term Sustainable Iraqi Oil Industry." She currently serves as a strategic adviser to the American Automobile Association (AAA) of the United States and is a member of the Council on Foreign Relations. Jaffe was among the Key Women in Energy-Americas honorees in

the Pathfinders/Trailblazers category (2004), the honoree for Esquire's annual 100 Best and Brightest in the contribution to society category (2005), Elle magazine's Women for the Environment (2006), and was named to Who's Who in America (2008).



# Melissa Stark

## Global Head of Clean Energy

Accenture

Melissa Stark is the Global Head of Clean Energy for Accenture's Energy industry group. Melissa has over 16 years experience in management consulting, with the majority of that time spent working across all sectors of the Energy industry. She is the global lead for Clean Energy and has also lead Accenture's Biofuels activity since 2006. She authored Accenture's two biofuels studies, "Irrational Exuberance – a supply perspective." and "Biofuels' Time of Transition. Achieving high performance in a world of increasing fuel diversity." Her next paper, "Betting on Science. Increasing diversity in Transport Fuels" was published in

November. She focuses on carbon management, biofuels, investment and decision support, supply chain and business performance improvement in the oil and gas industry for clients globally with particular emphasis on the majors and more recently private equity.

Melissa has a Masters in Transportation from Northwestern University (Honors, Recipient of Transportation Management Top Student Award) and a BSc in Finance from the Haas school at the University of California at Berkeley (Honors, Recipient of Finance Award).

# Michael Webber, Ph.D.

## Associate Director, Center for International Energy and Environmental Policy and Co-Director, Clean Energy Incubator

University of Texas at Austin

Michael Webber, Ph.D., is the associate director of the Center for International Energy and Environmental Policy in the Jackson School of Geosciences, co-director of the Clean Energy Incubator at the Austin Technology Incubator, fellow of the Strauss Center for International Security and Law at the Lyndon B. Johnson School of Public Affairs, and assistant professor of mechanical engineering at The University of Texas (UT) at Austin. He has authored more than 75 scientific literary works, including a compendium of his

commentary titled "Changing the Way America Thinks About Energy." Prior to joining UT Austin, Webber studied issues relevant to energy, innovation, manufacturing and national security at the RAND Corporation. Previously, he was a senior scientist at Pranalytica, inventing sensors for homeland security, industrial and environmental monitoring applications. In 2005, he was recognized by the College of Engineering at UT Austin as an Outstanding Young Engineering Graduate. Webber was selected as a Next Genera-

tion Fellow of The American Assembly in 2006, an American Memorial Marshall Fellow of the German Marshall Fund for 2007 and an AT&T Industrial Ecology Fellow in 2009. His expertise, opinions and research have been featured in The Wall Street Journal, The New York Times and many other prominent media outlets. Webber received a B.A. and B.S. with high honors from UT Austin; he earned his M.S. and Ph.D. in mechanical engineering (with a minor in electrical engineering) from Stanford University.





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