



BIOGRAPHIES

In Alphabetical Order

Natural Gas Technologies II Ingenuity and Innovation

Session 10 – Gas Industry Forum

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**Pointe South Mountain Resort
Phoenix, Arizona**

**U.S. Department of Energy
National Energy Technology Laboratory**

J. Marshall Adkins

**Director of Energy Research
Managing Director - Equity Research
Raymond James & Associates**

Mr. Adkins focuses on oilfield services and products, in addition to leading the Energy Research Team. He has won a number of honors for his leading stock-picking abilities - three times in *The Wall Street Journal's* All-Star Analyst Survey (including a number one ranking in 1998). He has also received three top ten rankings in the Reuters survey, and earned a number one ranking in [The Street.com](http://www.thestreet.com). Prior to joining Raymond James, he was the oilfield service analyst with Principal Financial Securities. His experience includes 10 years in the oilfield service industry as a project manager, corporate financial analyst, sales manager, and engineer. Mr. Adkins began his career with BJ Services before spending three years with an advanced oilfield technology firm. He holds a bachelor of science degree in petroleum engineering and an MBA degree from the University of Texas at Austin.

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Rita A. Bajura

**Director
National Energy Technology Laboratory
U.S. Department of Energy**

Ms. Rita A. Bajura is the Director of the National Energy Technology Laboratory (NETL), a national laboratory owned and operated by the U.S. Department of Energy (DOE). As part of DOE's national laboratory system, NETL conducts research spanning DOE's science, energy, national security, and environmental quality missions.

As NETL Director, Ms. Bajura oversees the implementation of major science and technology development programs in fossil energy and environmental technologies, including:

- Advanced power generation technologies fueled by coal, natural gas, and biomass.
- Environmental control technologies for the existing fleet of fossil steam plants.
- Ultra-clean fuels for the transportation sector.
- Technologies to enhance the efficiency and environmental quality of domestic oil production.
- Natural gas exploration, production, and processing.

Nearly 600 federal and 550 contractor employees work at NETL's sites in Fairbanks, Alaska; Morgantown, West Virginia; Pittsburgh, Pennsylvania; and Tulsa, Oklahoma. Research and development activities are conducted both onsite and through partnerships and contractual arrangements with industry, universities, and other research organizations. The 1,100 projects in NETL's portfolio are conducted at facilities in all 50 states and in several foreign countries.

Ms. Bajura has guided NETL as Director since 1996, and has been with the Department of Energy since 1980. She earned a master's degree in engineering from West Virginia University and a bachelor's degree in chemistry from Mercyhurst College in Erie, Pennsylvania.

In 2000, Ms. Bajura was inducted into the Academy of Distinguished Alumni of Mechanical Engineering and Mechanics at West Virginia University. In 2001, she was appointed by the Governor of West Virginia to the State's Energy Policy Task Force, and the Washington Coal Club selected her to receive its annual Achievement Award for Contributions to the Coal Industry. In 2002, she was the first woman

ever to receive the “Pitt Award,” the University of Pittsburgh School of Engineering’s Annual Award for Innovation in Coal Conversion, and she received the Presidential Rank Award of Meritorious Executive.

Randall L. Couch

General Manager – E&P Technology and Planning Anadarko Petroleum Corp.

Mr. Couch became the General Manager, E&P Technology and Planning for Anadarko Petroleum Corporation in October 2001. He oversees the application of leading edge technology in various exploration and operational activities. Mr. Couch joined Anadarko as Manager, Business Development – North America in August 2000, responsible for asset acquisition and divestment along with portfolio management. In early 2001, he participated in Anadarko’s \$1 billion acquisition of Berkley Petroleum Company (Canada). Mr. Couch has been in the oil and gas industry for over 25 years. His experience includes executive positions in upstream exploration and production (E&P), midstream natural gas and power marketing, and downstream refining and liquids marketing.

Prior to Anadarko, Mr. Couch formed Randall Energy, LLC in 1998 to acquire and exploit oil and gas properties. He still serves as CEO/President of the company, which primarily owns royalty interests.

Mr. Couch also worked 22 years for Amoco Corporation in three distinct business areas. Within E&P, he served in New Orleans (1985 – 1988) as Operations Manager and Division Production Manager over Amoco’s Gulf of Mexico production and, in Houston (1993), as Vice President of the South Permian Basin Business Unit that later became part of Altura and subsequently sold to Occidental Petroleum Corp. From 1989 through 1992, Mr. Couch headed Amoco’s downstream refining and marketing business unit for the western United States located in Salt Lake City. During the mid-90’s, Mr. Couch served as President of Amoco Energy Trading Corp. responsible for midstream marketing of natural gas and power.

Mr. Couch graduated from the University of Oklahoma in 1975 with a BS degree in chemical engineering and was a member of the Tau Beta Pi honorary society. He currently serves as Chairman of OU’s Chemical Engineering Dept. Board of Directors. Mr. Couch also attended the Stanford University Executive Program in 1995.

John R. Duda

Senior Analyst National Energy Technology Laboratory U.S. Department of Energy

Mr. Duda is a Senior Analyst with the U.S. Department of Energy (DOE) based with the National Energy Technology Laboratory’s National Petroleum Technology Office. John earned a Master of Science Degree in petroleum engineering from West Virginia University and has over 23 years of experience – the last nineteen as a R&D manager and professional in DOE’s fossil energy and environmental management programs. Prior to joining the Energy Department, John worked in the private sector in various engineering and managerial capacities, including assignments in South and East Texas developing low permeability natural gas resources. As a Senior Project Manager with DOE’s Office of Environmental Management, John was responsible for the successful integration of advanced decontamination and decommissioning (D&D) technologies into key legacy site cleanup projects including: Interim Safe Store of a full-scale plutonium production reactor, remote characterization of a fuel reprocessing complex, and decontamination of uranium fuel fabrication facilities such that it could be classed as ‘other industrial’. In his current position, Mr. Duda coordinates across multiple agencies on issues concerning natural gas and crude oil regulation, policy, and permitting, and how advanced technological solutions can facilitate resource development in an economic and environmentally-responsible manner.

Christopher R. Ellinghaus

Principal and Senior Equity Analyst Williams Capital Group L.P.

Christopher Ellinghaus, Principal, equity research, provides fundamental research coverage of the electric & gas utility, diversified natural gas, and electric generation industries. He has eight years experience covering the utility sector. Prior to joining Williams Capital Group in 2001, Chris was a utility analyst at Salomon Smith Barney and before that, Deutsche Banc Alex. Brown and NatWest Markets. Chris also spent a portion of his equity research career as a Vice President in the Investment Strategy Group at Dean Witter specializing in large capitalization research and as an Analyst in Emerging Growth Stock Research at Smith Barney. Chris has 12 years experience in the securities industry. Chris received a BA degree in economics and finance from Towson State University in Baltimore and a Masters degree in finance from Philadelphia’s Drexel University Graduate School of Business.

Mark Hopkins
Vice President
Alliance to Save Energy

A 19-year veteran of the Alliance to Save Energy, Mark Hopkins is Vice President and manages the organization's day-to-day financial, administrative, and program operations. This includes overseeing program staff and activities in the areas of energy-efficient residential and commercial buildings, energy education, federal energy management, industrial energy efficiency, trade, and international development in two dozen developing and transitional countries. Mark appears frequently on television and radio as an expert on energy saving and ways our nation can become more energy efficient.

Hopkins organized the Federal Energy Productivity Task Force – 50 energy efficiency firms promoting greater energy savings in federal facilities. The task force report revealing that the federal government wastes more than \$1 billion annually on energy and recommending energy efficiency measures formed the basis for an Executive Order requiring federal agencies to reduce their energy use. Hopkins serves as a key link between the Alliance and companies that market energy-efficient products and services.

The Alliance's longest-term employee, Hopkins began his work at the Alliance in 1984 as Senior Program Manager and later became Director of Corporate Relations. Previously, Hopkins worked for a Washington, DC, management consulting firm specializing in energy program and policy analysis. Prior to coming to Washington, Hopkins worked at the National Center for Appropriate Technology, developing renewable energy programs and serving as the Energy Program Director for low-income weatherization and solar energy retrofits at a community action agency in Lancaster, Pennsylvania.

Outside the Alliance, Hopkins is an accomplished artist. Educated in the field of fine arts, he assisted in the design of the Alliance's energy-efficient office space, with his own office displaying his paintings in which he has captured politicians and actors with his unique painting style.

David Hughes
Group Leader
Natural Resources Canada

David Hughes is a geologist with more than 30 years experience studying the energy resource of Canada for the Geological Survey of Canada and the private sector. He is the Leader of the National Coal Inventory, which is a digital knowledge base on coal used to determine the availability of resources for conventional and non-conventional uses, including coalbed methane production and the sequestration of CO₂. He is also Team Leader for Non-conventional Gas for the Canadian Gas Potential Committee. For the past several years, he has developed a keen interest in the "Big Picture" as it relates to the longer term prognosis for continuity of energy supplies and some of the political and environmental ramifications concerning their use.

Michael A. Katz
Vice President
California Gas Transmission
Pacific Gas and Electric Company

Education:

- 1981 – University of Massachusetts, Amherst, B.S., Civil Engineering, Magna Cum Laude graduate
- 1983 – University of California, Berkeley, M.S. Mechanical Engineering

Business Career: Pacific Gas and Electric Company

- 2000 – Vice President, California Gas Transmission
- 1999 – Lead Manager, Power Generation
- 1998 – Manager, Generation Portfolio Management
- 1996 – Manager, Power Generation Business Planning
- 1994 – Director, Power Generation Budget and Planning
- 1993 – Director, Business Planning, Steam Generation
- 1992 – Senior Civil Engineer, Electric Resources Planning
- 1983 – Senior Mechanical Engineer, Electronic Resources Planning

Professional Affiliations:

Registered Mechanical Engineer

Other Affiliations:

Board Member of Save the Bay

Melanie A. Kenderdine
Vice President
Washington Operations Office
Gas Technology Institute

Melanie A. Kenderdine joined GTI in March 2001 as the Vice President of GTI's Washington Operations Office. At GTI, Ms. Kenderdine is involved in major initiatives to increase domestic natural gas supplies, to enhance energy efficiency, and to promote the research needs of the natural gas industry.

Prior to joining GTI, from 1993 to 2001, Kenderdine served in several key posts at the U.S. Department of Energy (DOE). Her last position at DOE was Director of the Office of Policy, the policy development arm of the agency. She was a key advisor to the Secretary on a variety of issues, including: negotiations with oil-producing nations to increase oil production; an international initiative to improve the quality of oil data; efforts to rationalize EPA rules on gasoline, diesel and MTBE; the California electric power crisis; establishment of a home heating oil reserve for the Northeastern United States; the Strategic Petroleum Reserve; the privatization of Elk Hills Petroleum Reserve and the transfer of the Naval Oil Shale Reserve to the Ute Indian Tribe; and White House initiatives to enhance domestic oil and gas production.

In addition, Kenderdine was also the Senior Policy Advisor to the Secretary of DOE for oil, gas, coal and nuclear issues, and was the primary architect of: R&D initiatives for ultra-clean fuels and energy grid reliability; the Strategic Petroleum Reserve royalty-in-kind initiative; and creation of the National Energy Technology Laboratory, including a Strategic Center for Natural Gas Studies. Kenderdine also managed the DOE response to the Japan nuclear accident in 1999.

Prior to joining DOE, she worked as chief of staff and as legislative director for New Mexico Congressman Bill Richardson, who was later named US Secretary of Energy. On Capitol Hill, she staffed the House Energy & Commerce Committee where she worked on legislation to deregulate the natural gas industry, reauthorize Superfund, repeal the Fuel Use Act, amend the Clean Air Act, and many other energy/ environment initiatives.

Kenderdine served on a Council on Foreign Relations Task Force to develop a national energy strategy; on a Task Force to advise the Taiwanese Government on energy R&D; and on the Consumers Energy Council of America Working Group on Distributed Energy.

She is on the Board and Executive Committee of the Research Partnership to Secure Energy for America, on the Keystone Energy Board, and on the Boards of the Texas Energy Center, and the Center for Energy in the Americas. She has testified before the U.S. Congress on numerous occasions and has recently published articles in Harts E&P and Physics Today. She is a frequent speaker on energy issues and has spoken at the OPEC Conference on Sustainable Development in Vienna, the Sixth Annual International Energy Experts Conference in Abu Dhabi, and the Energy and Nanotechnology Conference at the Baker Institute in Houston.

William F. Lawson
Associate Director
National Energy Technology Laboratory
U.S. Department of Energy

William F. (Bill) Lawson, an Associate Director of the National Energy Technology Laboratory, oversees the natural gas and oil research and development implementation activities for DOE's Office of Fossil Energy and directs the Laboratory's National Petroleum Technology Office (NPTO) in Tulsa, Oklahoma. These R&D efforts encompass exploration, production, storage and distribution, gas hydrates, LNG, environmental technologies, and studies supporting policy development. Dr. Lawson directs a staff of approximately 50 professionals in administering nearly 400 projects conducted by petroleum industry companies, universities, and State and Federal agencies. Before assuming the Directorship of NPTO in 1998, Dr. Lawson spent 23 years as part of DOE's research and management team in a wide variety of other assignments at the National Energy Technology Laboratory and its precursors. An applied physicist educated at West Virginia University, he began his DOE career in 1975 with research in various aspects of coal and natural gas. He has published 24 technical papers.

Kent F. Perry
Director
E&P Research
Gas Technology Institute

Kent Perry is Director, Exploration & Production Research at the Gas Technology Institute in Des Plaines, Illinois.

At GTI, he has responsibility for planning and managing a research program, which has the overall objective of developing new technology for enhanced recovery of natural gas in the lower-48 United States.

Past experience includes twenty-five years of natural gas engineering and gas production responsibilities including; gas storage engineering for Northern Illinois Gas Co., production engineering with Kansas-Nebraska Natural Gas Co., and, exploration and production for Michigan Energy Resources Co.

He holds a Bachelor of Science Degree in Petroleum Engineering from the Colorado School of Mines.

He is a member of the Society of Petroleum Engineers and a past SPE Distinguished Lecturer.

He has participated in National Petroleum Council studies on the potential for natural gas in the United States and has authored several papers on low permeability natural gas resources and hydraulic fracturing.

John F. Riordan
President and CEO
Gas Technology Institute

John Riordan is the President and CEO of the Gas Technology Institute (GTI), the organization created in April 2000 by the combination of IGT and GRI. He directs its programs for developing and commercializing natural-gas-related technologies, products and services.

Riordan has more than 40 years of experience in the natural gas and chemicals industries. He held several senior positions from 1988 to 1998 with MidCon Corp., serving as President and CEO of MidCon; as Chairman of the Board, President, and CEO of the Natural Gas Pipeline Company of America; and as a member of the board of Occidental Petroleum Corporation. In 1998, he directed Occidental's divestiture and sale of MidCon to KN Energy.

Riordan was President of Oxy NGL, Inc. from 1986 to 1988. This followed a 12 year career with OxyChem as Director of New Business Development; Vice President and General Manager of the International Division; Vice President and General Manager of the Electrochemical Division; and (1981-1986) President of the Industrial Chemicals Group.

Riordan holds a Bachelor of Science degree in Chemistry from Niagara University and an MBA degree from the University of Buffalo. He also completed the Harvard University Advanced Management Program.

He is a trustee of Niagara University, and a member of the board of directors of National Fuel Gas Company and Nicor.

David Shin
Chief Economist
American Gas Association

David Shin is the Chief Economist and Director of Statistics for the American Gas Association (AGA). David has been with the Policy Analysis Group of AGA for 6 years and is responsible for a variety of different functions at AGA, including analyzing natural gas markets, performing cost-benefit analysis of appliance efficiency standards, developing performance benchmarking metrics, and overseeing a variety of different data collection efforts. David was the project manager for the recently completed study on Natural Gas Price volatility. Prior to AGA, David was Manager of Economics at the American Paper Institute where he was responsible for forecasting the demand for corrugated boxes and an Economist at the American Petroleum Institute where he analyzed gasoline and petroleum markets. David has published in the energy field and holds a Ph.D. from the University of Pennsylvania.

James A. Slutz
Deputy Assistant Secretary
Natural Gas and Petroleum Technology
U.S. Department of Energy

Jim Slutz currently serves as the Deputy Assistant Secretary for Natural Gas and Petroleum Technology in the Office of Fossil Energy of the U.S. Department of Energy. In this position, Mr. Slutz is responsible for administering oil and gas programs, both domestic and international, including research and development, policy analysis, and natural gas import and export activities.

Prior to his appointment in June 2002, Mr. Slutz served as the Director, Indiana Division of Oil and Gas, with responsibilities for overseeing oil and natural gas exploration and production, natural gas storage, and leasing of state land for exploration. From the period of 1981 to 1992, Mr. Slutz worked for the Ohio Department of Natural Resources, Division of Oil and Gas, where he served in various managerial and technical positions.

In 1993, Mr. Slutz was appointed to represent the Governor of Indiana on the Interstate Oil and Gas Compact Commission (IOGCC), an organization representing the governors of oil and gas producing states. He was elected IOGCC Vice Chairman in 1997.

Mr. Slutz holds an MBA degree from The Ohio State University, Fisher College of Business, and a B.S. degree from The Ohio State University, School of Natural Resources.

Robert A. Stokes

**Vice President
Research and Deployment
Gas Technology Institute**

Dr. Robert A. Stokes directs the research and commercial deployment efforts of the Gas Technology Institute. Overall R&D activities represent a \$100M annual effort covering a range of gas industry and energy conversion and utilization programs, including gas exploration and production, gas pipeline and distribution systems R&D, and biotechnology. In addition to natural gas R&D, GTI conducts large research programs in gasification of coal and biomass. Major development efforts are currently underway to commercialize GTI-developed PEM and solid-oxide fuel cell technologies.

Prior to joining GTI in 1999, Dr. Stokes held executive management positions as Deputy Director of the National Renewable Energy Laboratory and Manager of the Engineering Physics Department at Battelle, Pacific Northwest Laboratories.

Dr. Stokes earned a Ph.D. in physics from Princeton University and completed the Executive Management Program at the University of Michigan Business School. He has more than 50 technical publications to his credit.

Brad Tomer

**Natural Gas Supply Technology Manager
National Energy Technology Laboratory
U.S. Department of Energy**

Brad Tomer is the Natural Gas Supply Technology Manager for the National Petroleum Technology Office at the National Energy Technology Laboratory (NETL) which supports the Department of Energy's Office of Fossil Energy. Mr. Tomer is responsible for managing NETL's natural gas exploration, production and methane hydrates programs. Mr. Tomer has been with NETL for 12 years. Prior to NETL, he worked for the U.S. Department of Army's Belvoir Research, Development & Engineering Center as a project manager and petroleum engineer. Mr. Tomer has 20 years of experience in successfully moving technologies from concept to commercial deployment. He has a B.S. degree in petroleum and natural gas engineering from The Pennsylvania State University, an M.B.A. from George Mason University, and Masters degree in international and natural resource economics from West Virginia University

Kermit Witherbee

**Group Manager – Fluid Minerals
Bureau of Land Management
U.S. Department of the Interior**

Kermit Witherbee currently serves as Group Manager, Fluid Minerals at the Bureau of Land Management (BLM), Headquarters, Washington, DC. Prior to joining BLM, he held positions as Exploration Geologist and Project Manager in private industry in the Rocky Mountains. His career with BLM has included staff and supervisory responsibilities in the oil and gas leasing and management, reservoir management, evaluations, as well as national level policy development, strategic planning, and budget. He worked for the House of Representatives Resources Committee as a Congressional Fellow during the 107th Congress. He has both a Bachelor's and Master's degrees in Geology from the State University of New York at Oneonta.





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