



Independent Statistics & Analysis

U.S. Energy Information
Administration

Biographies

Brackett, Bob

Bob Brackett is the Senior Vice President and Senior Research Analyst at Sanford C. Bernstein & Co., LLC covering North American Oil & Gas Exploration & Production. Prior to joining Bernstein in 2010, Bob was Director of E&P Planning and Director of Corporate Strategy at Hess Corporation. Before Hess, he was an Engagement Manager with McKinsey & Company's Petroleum Practice, serving the world's largest oil companies across five continents and 30 countries throughout the petroleum value chain. Bob began his career with ExxonMobil, spending eight years in positions in exploration, business development, and research. As a NASA Space Grant Fellow, Bob received his PhD in Earth & Planetary Sciences from Washington University in St. Louis. He received his MBA from Rice University. He also holds a BS in Geophysics and a BA in Astronomy from the University of Texas. He is currently recognized as the No. 1 analyst in his industry by *Institutional Investor*.

Cisneros-Lavaller, Alberto

Alberto Cisneros-Lavaller is currently CEO/President of Global Business Consultants (GBC) an outsourcing consulting firm specialized in Latin American oil business, particularly in the areas of E&P, Downstream, Planning, Negotiations and, Business Environment, position he has held since 2003. He is also Co-founder Partner of EPF (Energy Petroleum Forums) and Associate Director for LAGO ENERGY USA, in the areas of Consulting, and Energy Projects of the Company. He worked for Pdvsa and its affiliates for 20 years. In 1983 he joined the oil industry as Head of the International Energy Policies at Maraven, one of the former affiliates of Petr leos de Venezuela. And since 1992 he worked at the Strategic Planning Department of PDVSA as a Senior Advisor in International Energy and Politics until 2003.

From 1989 to 1992 he was part-time advisor in International Negotiations to the President of the Republic of Venezuela.

He is Full Professor at Doctoral level at the School of Law and Political Science at Central University (Venezuela 1985-onwards) and was also Professor at the Center for Development Studies (CENDES) of the same University. In his vast academic experience among the posts he had held was that of Director for the Master in Latin American Integration, at the Institute of Graduate Studies in Business Administration (IESA), in Caracas, Venezuela (1981-1983); and Associate Visiting Professor at the University of Illinois, in Urbana Campaign, USA (1984).

Alberto is an attorney by training, graduated at the National University of La Plata, Argentina, in 1971. He earned his master in Political Science at the same University in 1972 and his PhD in Political Science and International Relations at the University of North Carolina, Chapel Hill, USA, in 1977.

Daniels, David

David Daniels has been the Chief Energy Modeler of the EIA since 2012, where he works to ensure internal consistency across EIA's disparate modeling and analytic products. Prior to 2012, Dr. Daniels served as Chief Scientist of Digital Sandbox, a security analytics software company, where he developed the terrorism risk analysis methodology used by the Department of Homeland Security to allocate over \$20B in grants to states and urban areas. He has also worked as a consultant for Booz Allen Hamilton, where he primarily provided technical support to a number of DARPA programs, and for The Boston Consulting Group, a commercial strategy consulting firm. His academic background is in experimental high energy particle physics, having earned his M.Sc. from Oxford and his Ph.D. from Harvard.

Eule, Steve

Stephen D. Eule is the vice president for climate and technology at the U.S. Chamber of Commerce's Institute for 21st Century Energy. Mr. Eule is an experienced voice on the nexus between energy, climate change, and technology, and he has traveled around the world to speak with business, governments, think tanks, and the media in a variety of fora.

In his role with the Energy Institute, Mr. Eule oversees the collection and analysis of data on energy and climate and on the impact of technology in the energy industry. He represents the U.S. Chamber in the UN Framework Convention on Climate Change and helped found the Major Economies Business Forum on Energy Security and Climate Change, a coalition of national cross-sector business organizations from major developed, emerging, and developing economies for which the Energy Institute acts as secretariat.

Mr. Eule also is responsible for the Energy Institute's two annual and authoritative energy security reports—the U.S. Energy Security Risk Index and the International Energy Security Risk Index. These risks indices represent the first and most comprehensive efforts to quantify energy security risks over time and across a range of measures covering global fuel supplies, imports, expenditures, price and market volatility, energy use, the electric power and transportation sectors, and the environment. They have been cited by the International Energy Agency and are used by universities and think tanks across the world.

Previously, Mr. Eule was the director of the Office of Climate Change Policy & Technology at the U.S. Department of Energy. While at DOE, he oversaw the development of the U.S. Climate Change Technology Program Strategic Plan in 2006, ran President Bush's Climate VISION program, and testified many times before Congress on DOE climate and energy programs. Internationally, Mr. Eule represented DOE as part of the U.S. government delegations to the Intergovernmental Panel on Climate Change (for its Fourth Assessment Report), the UNFCCC, the Asia-Pacific Partnership on Clean Development and Climate, the G20, and other multi-lateral fora. He was lead chapter author on the U.S. Climate Action Report—2006 and contributed to other government publications.

His prior experience includes a decade working in various public policy positions. He was a subcommittee staff director on the House Science Committee covering energy, climate change, agricultural biotechnology, basic research, earthquake, and fire issues, and also served as legislative director for Rep. Nick Smith. In addition, Eule was an environmental analyst in the Washington, D.C. office of New Jersey Gov. Christine Todd Whitman. Earlier, he worked for eight years as an Orkand Corporation consultant to the Energy Information Administration and did a brief stint at the Heritage Foundation, where he was assistant editor of, and contributor to, the book Free Market Energy.

Eule earned a master of arts degree in geography from The George Washington University and a bachelor of science degree in biology from Southern Connecticut State College.

Klein, Daniel E.

Daniel E. Klein is President of Twenty-First Strategies, with 40 years of experience in energy, environmental, and economic analysis. After many years as a Senior Vice President and Director of ICF Resources Incorporated, he founded Twenty-First Strategies in 1995 to offer energy and environmental consulting services to energy companies, government agencies, and others. His work in recent years has focused primarily on climate change, energy security, strategic planning for electric power, sustainability, energy supply and usage, and related policies and strategies. Specific topics have included development of energy security metrics, clean energy strategies and co-benefits, technologies for GHG reduction, transportation and sustainability, carbon capture and storage, national and international GHG reduction programs, and methods for GHG inventories and reporting. He has authored dozens of conference presentations and testified numerous times as an expert witness. Mr. Klein earned a Bachelor's degree from the Massachusetts Institute of Technology and an MBA from the Stanford Graduate School of Business.

Lee, Eric

Eric G. Lee is an energy analyst on Citi's Commodities Research team in New York, and has contributed to major publications including the Energy 2020 series of reports on the shale revolution, prospects for North American energy independence, and the global economic and political impacts. He covers fundamental, macroeconomic and geopolitical research of global commodity markets, with a focus on oil price forecasting, and is regularly cited in major media publications including the Wall Street Journal, the Financial Times, the New York Times, CNBC, Bloomberg and Foreign Affairs. Prior to joining Citi, Eric received his Master's degree in International Relations and International Economics from the Johns Hopkins University School of Advanced International Studies (SAIS) in Washington, DC, where he focused on energy markets and policy.

Sankey, Paul B.

Paul is a Managing Director and Senior Analyst at Wolfe Research focusing on Global Oil & Gas Markets including coverage initially of Major Oils and U.S. Refining. He plans over time, along with his experienced team, David Clark, Silvio Micheloto and Vincent Lovaglio, to expand into Oil & Gas Exploration & Production and Oil Services & Equipment and other related sectors.

Mr. Sankey joined Wolfe Research after thirteen years at Deutsche Bank, where his team was consistently top ranked. Among numerous accolades, Sankey has been voted for eight consecutive years onto *Institutional Investor's* All-America Research Team, with the #1 ranking in each of the past three years. He has been ranked #1 in *Greenwich Associates & Bloomberg* top analyst survey four times, including consecutively in the past three years.

From 1990-2000, prior to working for Deutsche Bank, Mr. Sankey was a Managing Consultant for premier Global Oil & Gas consultancy Wood Mackenzie, based in Edinburgh, Scotland. He started his career in 1990 as an analyst at the highly influential International Energy Agency, in Paris, developing a specialization in emerging markets oil and gas.

Schaal, Michael

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

Sieminski, Adam

Adam Sieminski was sworn in on June 4, 2012 as the eighth administrator of the U.S. Energy Information Administration (EIA). From March 2012 to May 2012, while awaiting confirmation as EIA administrator, Mr. Sieminski served as senior director for energy and environment on the staff of the National Security Council. From 2005 until March 2012, he was the chief energy economist for Deutsche Bank, working with the Bank's global research and trading units. Drawing on extensive industry, government, and academic sources, Mr. Sieminski forecasted energy market trends and wrote on a variety of topics involving energy economics, climate change, geopolitics, and commodity prices.

From 1998 to 2005, he served as the director and energy strategist for Deutsche Bank's global oil and gas equity team. Prior to that, from 1988 to 1997, Mr. Sieminski was the senior energy analyst for NatWest Securities in the United States, covering the major U.S. international integrated oil companies.

He also had acted as a senior adviser to the Energy and National Security Program at the Center for Strategic and International Studies, a nonpartisan policy think tank in Washington, DC. He is a senior fellow and former president of the U.S. Association for Energy Economics, and served as president of the National Association of Petroleum Investment Analysts.

In 2006, Secretary of Energy Samuel Bodman appointed Mr. Sieminski to the National Petroleum Council (NPC), an advisory group to the secretary of energy, where he helped author the NPC's Global Oil and Gas Study: The Hard Truths.

In addition to his affiliation with the Center for Strategic and International Studies, he was also an advisory board member of the Global Energy and Environment Initiative at Johns Hopkins University/SAIS. He had also served as chairman of the Supply-Demand Committee of the Independent Petroleum Association of America, and as an advisory member of the Strategic Energy Task Force of the Council on Foreign Relations. He is a member of the Washington, DC, investment professional society, and holds the Chartered Financial Analyst (CFA) designation. He received both an undergraduate degree in civil engineering and a master's degree in public administration from Cornell University.

Sweetnam, Glen

In June 2012, Glen Sweetnam was named Director, African and Middle Eastern Affairs, Office of Policy and International Affairs in the U.S. Department of Energy. In this position, Mr. Sweetnam is responsible for managing DOE's bilateral and multilateral engagement with African and Middle Eastern countries. His office is also responsible for advising DOE leadership on world oil market developments, related policy responses, and U.S. government engagement on those issues in the International Energy Agency, the International Energy Forum, and other ministerial fora.

Mr. Sweetnam has 25 years of leadership experience in the energy industry in both the private and public sectors. Prior to his current position, Mr. Sweetnam was the Senior Director for Energy and Climate Change on President Obama's National Security Staff from March 2010 until January 2012.

From October 2005 until March 2010, he was the Director of the International, Economic, and Greenhouse Gases Division of the Energy Information Administration (EIA). This Division produces the *International Energy Outlook* and two congressionally mandated reports on U.S. greenhouse gas emissions.

Prior to joining the EIA, 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, he was the Director, Economic Analysis, Office of Policy and International Affairs, U.S. Department of Energy, where he played a significant role in the deregulation of the domestic natural gas industry.

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

Webster, Jamie

Jamie Webster is a Senior Director in IHS Energy. He leads IHS' global oil markets team with a geographically dispersed group of professionals. Jamie came to IHS through the acquisition of PFC Energy in 2013, where he ran that firm's global oil markets services. His work integrates oil market fundamentals with geopolitics and economics to provide a complete view of the current and future oil market. Located in Washington DC, he regularly interacts with OPEC members as well as US policymakers - an increasingly important channel as the US oil production growth is changing the landscape of oil supply. He was one of the co-authors of the recent IHS study: "US Crude Oil Export Decision: Assessing the impact of the export ban and free trade on the US Economy". He has also led

several large consulting projects that look at the changes in the oil market and how companies may react. Jamie has spoken on global energy issues for the Aspen Institute, CNBC's Power Lunch, CNN's The Situation Room, World News Tonight and Al-Jazeera and has been quoted in The New York Times, Financial Times, Bloomberg and others.

Previously Jamie was with Argus Media where he led a business unit focused on the inter-fuel dynamics of US power generation markets and how they would be impacted by economics and policy choices. Prior to this he was a project developer with Beacon Energy where he developed energy infrastructure projects in North America and Europe

Westerdale, Rick

With over twenty years of experience in the Energy Industry, Richard (Rick) W. Westerdale II is currently Director of the Energy Resources Bureau's Policy Analysis and Public Diplomacy Office in the U.S. State Department. Rick leads and directs efforts to identify, analyze, and evaluate the strategic importance of policies in international energy affairs including governance, access to energy, use of renewables and low carbon technologies, and increasing access to conventional energy resources. He represents the Department in a variety of senior-level engagements and carries out official visits to advance international engagement, forge cooperation with partner-nations and establish agreements on a range of energy security policy initiatives. Rick maintains liaison with key stakeholders in the U.S. and foreign media and private sectors, other USG and foreign agencies, public groups, NGOs, and organizations with equities in the international arena.

Prior to his current assignment in Washington, Rick was responsible for providing expert commercial & technical advice, guidance, and leadership in the oil and gas sector with a specialization in Energy at the United States Embassy in Baghdad, Iraq. Previously, with both Westerdale Holdings and GM Ryan International, Rick was responsible for new business development and identifying a suite of strategic growth opportunities; then implementing an aggressive strategy for pursuit and capture. This extended beyond traditional business development that is focused on project / program development and included the development of human capital.

During his tenure with ExxonMobil, Rick last worked within a small staff group that reported directly to the Chairman & CEO. Prior to that, he lived overseas, in the Middle East and Australia, and held multiple senior level positions. He gained extensive commercial and marketing experience by working with host governments and stewarding multi-cultural engagements. While in Abu Dhabi, his duties included initiation of commercial strategies, coordination of internal resources, and development of proposals that included competitive tender submissions as well as direct negotiations. While in Australia, Rick was responsible for overseeing marketing efforts into the Asia Pacific and developed the company's first equity marketing strategy for LNG. Rick also managed and stewarded non-operator interests within multiple Joint Ventures.

Additionally, Rick has held a variety of positions in ExxonMobil's downstream business which included Business Unit Manager, Support & Controls Manager, Operations Manager and Engineering Supervisor. These assignments provided both managerial and leadership experience including P/L responsibility,

staff development and managerial oversight. Rick's early assignments were primarily engineering related with construction, maintenance and environmental emphasis. Subsequent sales assignments broadened his knowledge of the industry and marketing, including retail sales.

A native of Winchester, Kentucky, Westerdale received a Bachelor of Science degree in Civil Engineering from the University of Kentucky in 1991. He was awarded the honorary title of "Kentucky Colonel" for service to his state and community that same year. Rick earned a Master of Business Administration degree from Averett College in 1994. He is also a registered Professional Engineer. Rick is married and lives in Northern Virginia where he and his family are active in the local community.