

Evaluating the Business Case for Nuclear Power

Thursday, July 31, 2008
9:00am – 12:00pm
CSIS B1 Conference Center

Biographies

Carol L. Berrigan

Senior Director for Industry Infrastructure, Nuclear Energy Institute

Carol Berrigan is Senior Director for Industry Infrastructure at the Nuclear Energy Institute. Ms. Berrigan, who returned to NEI in April 2003, is responsible for the organization's workforce and nuclear manufacturing infrastructure related activities. Ms. Berrigan also serves as the Vice President of the Center for Energy Workforce Development.

Prior to re-joining NEI, Ms. Berrigan was Director of Marketing for Pulseworks, an industry leader in motion simulation for institutional and entertainment venues based in Atlanta, GA. Ms. Berrigan was responsible for managing corporate, marketing and business development functions for U.S. and international markets. Prior to joining Pulseworks in 1998, Ms. Berrigan was a Program Manager for Camber Corporation, a specialized engineering and management consulting firm in Washington, DC from 1994 - 1998. She managed domestic and international communications, training and outreach programs for U.S. and international government, commercial and institutional clients in the areas of energy policy, energy technology export and trade, climate change, technology transfer and environmental security. Ms. Berrigan received a Bachelor of Arts degree from the University of Chicago and has completed a variety of courses at Georgetown University, Johns Hopkins University and the Goethe Institute.

Robert E. Ebel

Senior Adviser, Energy and National Security Program, CSIS

Robert Ebel is a senior adviser in the CSIS Energy Program, where he offers views on global energy issues, with particular emphasis on the former Soviet Union and the

Persian Gulf. Previously, he served with the CIA for 11 years and spent over 7 years with the Office of Oil and Gas in the U.S. Department of the Interior. He also worked with the Federal Energy Office in the international energy area. Earlier, he worked for ENSERCH Corporation, which he joined as vice president in March 1974, serving for some 14 years, advising the corporation and its subsidiaries on international issues relevant to day-to-day operations.

Ebel is a past chairman of the Washington Export Council and past member of the board of American Near East Refugee Aid. He received the Department of State's Distinguished Public Service Award in April 2002. He holds an M.A. in international relations from the Maxwell School at Syracuse University and a B.S. in petroleum geology from Texas Tech. A graduate of the USAF Russian language program, he served in Air Force intelligence during the Korean War.

Justin Falk

Analyst, Microeconomic Studies Division, Congressional Budget Office

Justin Falk began working for the Congressional Budget Office (CBO) in 2006 following the completion of his doctoral dissertation in economics at the University of California, Berkeley. CBO provides objective analysis of budgetary and economics issues for the Congress and its constituents. During his two years at CBO, Justin has focused on the economics of nuclear power and consumer responses to changes in electricity prices.

Prior to joining CBO, Justin had studied energy issues as a regulator and consultant. In the summer of 2001, he served as an intern in the electricity division of the California Public Utilities Commission. From 1998 to 2000, he was an analyst at Washington DC area consultancy that provided economic analysis for the Department of Energy and Department of Defense. His projects included analysis of the coal market in China and forecasting the cost of long-term stewardship for the sites formerly used to develop the U.S. nuclear arsenal.

John Gilbertson

Managing Director, Goldman, Sachs & Co.

John Gilbertson is a Managing Director with Goldman, Sachs & Co. responsible for the firm's work with many of its clients in the power and utilities industry. He has led the firm's work in advising the nuclear industry and the federal government on matters related to the Department of Energy Loan Guarantee Program.

Throughout his 20-year career at Goldman Sachs, John has worked closely with clients in a range of industries, and he has been responsible for completion of numerous financing transactions, as well as many mergers, acquisitions and divestitures. He was appointed Managing Director in 1997, and Partner in 2000. Prior to joining Goldman Sachs in 1987, John worked for Morgan Stanley, Bain & Company and Chase Manhattan Bank.

John has served on the boards of several cultural and educational institutions, and he currently serves as a trustee of the John G. Shedd Aquarium in Chicago. He has also served since 2000 as adjunct professor of finance at the Kellogg School of Management. John earned his AB in political economy from Dartmouth College in 1979, and his MBA, as a Baker Scholar, from Harvard University in 1983.

Craig S. Hansen

Vice President, Washington Operations, The Babcock & Wilcox Company

Craig S. Hansen joined Babcock & Wilcox (formerly known as BWX Technologies (“BWXT”), Washington Operations office in 2002 as Manager, Government Programs, becoming Vice President in 2005. In this capacity, Mr. Hansen oversees B&W’s interests with federal, international and state governments across a broad spectrum of energy and environmental technologies. B&W is a leading manufacturer of nuclear, coal, biomass and solar power plants, as well as a global provider of environmental control solutions and power plant upgrades. Currently Mr. Hansen is a board member of NextGen; is playing a leading role in developing comprehensive solutions to energy security issues and climate change; organizing nuclear supplier groups and agendas; and developing achievable and realistic clean coal policies in Washington, D.C.

Prior to his current assignment, Mr. Hansen was the BWXT, Deputy Site Manager at the U.S. Department of Energy’s Miamisburg Closure Project (Mound), an environmental clean-up project involving the 305-acre former nuclear weapons laboratory and production facility 15 miles southwest of Dayton, Ohio. Mr. Hansen was also the Congressional Liaison for the Naval Nuclear Propulsion Program working directly for ADM Frank L. “Skip” Bowman, then Director, Naval Nuclear Propulsion. While stationed at the Idaho National Laboratory, Mr. Hansen was responsible for the administration of the Navy’s programs, including the Naval Reactors Facility. During his time in Idaho, Mr. Hansen was also the Navy Liaison on the Programmatic, Duel Agency, Nationwide Environmental Impact Statement on Spent Nuclear Fuel. Mr. Hansen served six years as a Naval Officer for the Naval Nuclear Propulsion Program, overseeing program-wide consolidation of financial systems, managing U.S. Department of Energy and U.S. Department of Defense budgets, and implementing automated production control systems for complex (system-wide) nuclear R&D efforts.

William D. Magwood, IV

President, Secure Energy North America Corporation

William D. Magwood, IV was the longest-serving head of the United States Government’s civilian nuclear technology program, serving two Presidents and five Secretaries of Energy from May 1998 until he stepped down on May 24, 2005. He is currently President of Secure Energy North America Corporation (SENA). SENA is

working with industry and investors to develop novel approaches to finance new nuclear power stations in the United States.

As the Director of Nuclear Energy with the U.S. Department of Energy, Mr. Magwood was the senior nuclear technology official in the United States Government and the senior nuclear technology policy advisor to the Secretary of Energy. Mr. Magwood was instrumental in shaping policy in both the Clinton and Bush Administrations regarding nuclear energy. He led the creation of the “Nuclear Power 2010” initiative and also led the U.S. government’s foray into advanced nuclear energy and fuel cycle technologies, having created both the “Generation IV Nuclear Energy Systems Initiative” and the “Advanced Fuel Cycle Initiative”— which comprise the technology components of the Bush Administration’s “Global Nuclear Energy Partnership.” Mr. Magwood, also formed the Generation IV International Forum, which conducts joint research to develop next generation nuclear energy technologies. He led the negotiation and implementation of an international treaty to foster this important work. In 2003, he was elected Chairman of both the Generation IV International Forum and the Paris-based OECD Steering Committee on Nuclear Energy.

Mr. Magwood took a keen interest in education issues. During his tenure, funding for nuclear technology education increased 800% and the number of young people studying nuclear technology at U.S. universities and colleges tripled. Prior to his appointment as Director of Nuclear Energy, Mr. Magwood served as the Associate Director for Technology and Program Planning in the Office of Nuclear Energy, Science and Technology for four years. From 1984-1994, Mr. Magwood managed electric utility research and nuclear policy programs at the Edison Electric Institute in Washington, DC; and he was a scientist at Westinghouse Electric Corporation in Pittsburgh, Pennsylvania. Mr. Magwood holds a B.S. degree in Physics and a B.A. degree in English from Carnegie-Mellon University. He also holds an M.F.A. degree from the University of Pittsburgh.

John E. Matthews

Partner, Morgan, Lewis & Bockius

John E. Matthews is a partner in the Energy Practice of Morgan, Lewis and Bockius, LLP, resident in the Firm's Washington, DC office. He received his Juris Doctor from the University of Virginia, School of Law. He is a member of the Federal Energy Bar Association and the International Nuclear Lawyers Association.

Mr. Matthews has successfully assisted clients in obtaining NRC regulatory approvals for “first-of-kind” commercial transactions involving nuclear power plants. He advises clients regarding the acquisition and financing of NRC-licensed assets, decommissioning funding issues, NRC's review of license transfers, and liability issues associated with the ownership and operation of nuclear assets. He has been actively engaged in the development of policy and programs to facilitate the financing of new nuclear plant

construction, including activities for the Nuclear Energy Institute's "New Plant Finance Task Force." He also assists clients in NRC hearing matters and complex litigation in state and federal courts involving nuclear assets.

Sekazi K. Mtingwa

Senior Physics Lecturer, MIT

Sekazi K. Mtingwa received B.S. degrees in physics and mathematics from MIT in 1971 and a Ph.D. in theoretical high energy physics from Princeton University in 1976. He held postdoctoral positions at the University of Rochester, the University of Maryland - College Park, and Fermi National Accelerator Laboratory. Subsequently, he served in staff physicist positions at both Fermilab and Argonne National Laboratory. At Fermilab, Mtingwa and James Bjorken developed a theory of accelerator beam dynamics called intrabeam scattering, which sets the performance limitations on a wide class of modern accelerators.

During 1991-2004, Mtingwa was Professor of Physics at North Carolina A&T State University, where he served as Department Chair during 1991-1994 and laid the foundation for the current graduate program in physics. During 2001-2005, he served two years as Martin Luther King, Jr. Visiting Professor of Physics at MIT and then two years as Visiting Professor of Physics at Harvard University. Currently at MIT, he is Senior Physics Lecturer and Faculty Director of Academic Programs in the Office of Minority Education. In another activity, Mtingwa served from its inception in 1998 until 2008 on the U.S. Department of Energy's Nuclear Energy Research Advisory Committee (NERAC). As part of his responsibilities to NERAC, he served on its Subcommittee for Isotope Research & Production Planning and still serves on its Subcommittee on Advanced Nuclear Transformation Technology, which advises DOE on its nuclear reactor spent fuel partitioning and transmutation R&D program.

Richard J. Myers

Vice President, Policy Development, Nuclear Energy Institute

Richard J. Myers is responsible for defining policy initiatives, developing legislative proposals and managing Nuclear Energy Institute (NEI) programs in such areas as environmental policy and new nuclear power plant deployment. He manages NEI's programs to implement the financial incentives for new nuclear plant construction authorized by the Energy Policy Act of 2005. He is also responsible for tax issues affecting the nuclear power industry and U.S. Nuclear Regulatory Commission-related financial issues, and for working with NEI member companies to define NEI's position on such environmental issues as climate change.

NEI's Policy Development Division is also responsible for developing NEI's annual business plan, monitoring energy policy issues and market trends, and conducting analysis of how changes in the energy markets affect existing nuclear plants and the

economic prospects for new nuclear plants. Mr. Myers is also responsible for NEI's liaison with the financial community.

He joined the U.S. Council for Energy Awareness (USCEA)—one of NEI's predecessor organizations—in 1987 as director of editorial programs and was named USCEA's vice president of industry communications and publications in 1990. Mr. Myers received a bachelor's degree in English literature from Hobart College, Geneva, N.Y., and completed the University of Michigan Business School's Electric Utility Executive Program in 1993.

Yoshitaka Sato

General Manger, Forgings and Castings Export Department, Japan Steel Works

Yoshitaka Sato is General Manager, Forgings and Castings Export Department of The Japan Steel Works, Ltd. based in Tokyo. He joined the world's leading heavy forging supplier in 1982 and has been always working on its sales activities mainly to energy related industries.

He is currently responsible for the company's marketing on forged and cast steel components to all its overseas customers. More than 90% of his customers belong to the power generating equipment industry including nuclear. He was born in Muroran City, Japan where the company's main plant is located and his grandfather worked as a shop worker before his birth. He is a graduate of Keio University.

Joe Turnage

Senior Vice President, Constellation Energy Nuclear Group (CENG) and Senior Vice President, Strategy of UniStar Nuclear Energy

Joe Turnage is a Senior Vice President of Constellation Energy Nuclear Group (CENG) and Senior Vice President, Strategy of UniStar Nuclear Energy. He is currently focused on successfully deploying a fleet of at least four U.S. EPR advanced nuclear power plants in North America. Supporting this activity is UniStar Nuclear Energy (UNE), a joint venture between Constellation Energy and Electricité de France. UNE is teamed with AREVA for nuclear steam system supply and with Bechtel Power Corporation for the construction of the UNE fleet.

Prior to joining Constellation Energy, Dr. Turnage was Senior Vice President and Chief Technology Officer for Pacific Gas & Electric Company's unregulated subsidiary, PG&E National Energy Group. Prior to that, he was President of Tenera Energy LLC, a consulting firm for the power industry.

As a senior executive in competitive power generation companies and as the founder of two successful consulting companies, Dr. Turnage brings to Constellation over 30 years

of experience working with companies in the electric power industry. In this work, Dr. Turnage has been actively involved with almost every aspect of the business; with managing asset development and acquisition; with managing the profit and loss of a portfolio of competitive generating plants; with product and service development and marketing; with managing shared service organizations (including plant engineering, nuclear engineering and reactor safety analysis, operations and maintenance, procurement, safety, information technology, and environmental engineering); with implementing new asset management systems; with managing large construction projects; and with executive-level assessments of organizational performance.

Dr. Turnage holds a Ph.D. degree in nuclear engineering from the Massachusetts Institute of Technology (MIT), a M.S. degree in nuclear engineering from MIT, and a BS in nuclear engineering from Mississippi State University.