

Potential Pathways and a New Environment for Nuclear Energy

Thursday, June 26, 2008
9:00am – 11:30am
CSIS B1 Conference Center

Biographies

J. Alan Beamon

Director, Coal and Electric Power Division, Office of Integrated Analysis and Forecasting, Energy Information Administration

Alan Beamon is the Director of the Coal and Electric Power Division in the Energy Information Administration's Office of Integrated Analysis and Forecasting. He has worked on electricity analysis projects since 1984. His responsibilities include the development and maintenance of the coal, renewable, and electricity components of EIA's National Energy Modeling System (NEMS). NEMS is used each year to produce the Annual Energy Outlook, which provides projections through 2030 of energy consumption and prices. It is also used to prepare special studies, including those requested by Congress or the Administration. Key areas of analysis have included the development of the National SO₂ Allowance Database and analysis of the impacts of the Clean Air Act Amendments of 1990. Recent work has focused on the impact of proposed environmental regulations on the electricity sector – especially efforts to reduce nitrogen oxides, sulfur dioxide, mercury, and carbon dioxide. He received his degree in economics from the College of William and Mary in 1982.

Andrew G. Cook

Senior Vice President Sales and Marketing, AREVA NP Inc.

Dr. Andrew G. Cook is the Senior Vice President of Sales and Marketing for the AREVA North American Nuclear Power group. Dr. Cook has a breadth of experience in the nuclear field. He has a Ph.D. from MIT in nuclear transient analysis. He served as the advanced nuclear fuel and methods development manager for Westinghouse. He was the total quality manager for the Westinghouse Nuclear fuel division leading to the winning of Malcolm Baldrige national quality award. He was the southeast regional nuclear fuel sales manager for Westinghouse. Dr. Cook also served as the Westinghouse nuclear services project manager for the western half of the US and also was the Westinghouse Nuclear Service Division Total quality manager. At ABB Dr. Cook served as the VP of

Fossil sales in the northeast. He also served as Director of ABB nuclear fuel projects and marketing, Director of nuclear service sales to competitor plants, and Director of the ABB nuclear engineering and transient analysis department.

Andy has actively debated antinuclear speakers live on TV and radio in hundreds of debates. These include debates with Earnest Sternglass and the President of the Union of Concerned Scientists. His father was part of Otto Hahn's team in Berlin that discovered nuclear fission. Dr. Cook has an MBA from the University of Pittsburgh, an MS and Nuclear Engineer's degree from MIT and a BS from Cornell. He was valedictorian of his business school class and graduated Magna Cum Laude from Cornell. He has twice been a finalist for the Whitehouse fellowship.

William E. (Ed) Cummins

Vice President, Regulatory Affairs and Standardization, Westinghouse Electric Company

Ed Cummins has spent his 29-year Westinghouse career in a variety of assignments in project management, engineering management and new plant design. Prior to joining Westinghouse in 1976, Ed served seven years in the U.S. Navy with assignments in engineering and operations on two nuclear powered submarines. Mr. Cummins' first assignments in Westinghouse were in the Power Systems Projects Division as a project engineer and then engineering manager for the turnkey project implementation of the Krsko Project in Yugoslavia. In 1982, he joined the Preheat Steam Generator Task Force as project manager for the counterflow preheat steam generator effort.

In late 1983, Mr. Cummins returned to turnkey project business as Project Deputy Director for the Philippine nuclear project. Following completion of the Philippine plant construction, he served as program manager to develop a standard 1000MW plant design and cost estimate to be used for international turnkey opportunities in the mid 1980's. Ed joined the Plant Engineering Division as a Department Manager responsible for nuclear mechanical equipment, materials and fossil plant engineering. In 1988 and 1989, he was responsible for the project management, project development, financing, and contracts structure for a Westinghouse-owned gas turbine combined cycle project in Mojave, California. Afterwards, Mr. Cummins joined the AP600 project development team as manager of Balance of Plant Design. He served in various program and design management positions on the AP600, including Project Manager for the First of a Kind Engineering Program. In 1997, Mr. Cummins became General Manager of the New Plant Projects Division, assuming responsibility for the marketing and project implementation for new nuclear plant projects.

In March of 2000, Westinghouse initiated development of the AP1000 plant designed to be competitive with natural gas fired combined cycle plants. He is currently Vice President, New Plant Regulatory Affairs and Standardization, responsible for the licensing and commercialization of the AP1000. Mr. Cummins holds a BS from the U.S.

Naval Academy, a MS in Engineering Applied Science from the University of California, Davis, Livermore and a MBA from Duquesne University.

Leo (Lee) E. Elder

Senior Vice President, Global Sales, GE-Hitachi Nuclear Energy

Lee Elder is Senior Vice President, Global Sales, GE-Hitachi Nuclear Energy (GE-H). In this capacity Lee is responsible for the sales of Fuel Cycle Services, Nuclear Plant Services and New Nuclear Plants Projects for GE-H around the world.

Lee has 36 years experience in nuclear systems engineering, licensing, new plant project management, sales and marketing in the electric utility industry. He has held senior leadership positions at Black & Veatch and Westinghouse prior to joining GE in March of '96.

Lee graduated from the University of Pittsburgh in 1972 with a BS in Mechanical Engineering. Lee has been highly active in nuclear advocacy throughout his career and debated some of the leading opponents of nuclear power including Ralph Nader.

Sam Rodgers

Analyst and Writer, Zogby International

Sam Rodgers is an analyst and writer for Zogby International. Before joining Zogby in 2006, Sam worked for several political campaigns and organizations, including the AFL-CIO. His previous political work has covered local, state and national levels, although his primary focus at Zogby has been national politics and international issues. He is a graduate of the University of Georgia where he received undergraduate degrees in History and Political Science and a Master's in Public Administration. He is also the author of several published works, including a recent article in Challenge, an economic journal.

Thomas TerBush

Market Leader, Nuclear Sector, Electric Power Research Institute

Thomas TerBush is the Market Leader for the Nuclear Sector of the Electric Power Research Institute (EPRI). He manages nuclear market and communications strategy and has served as an expert and senior advisor to many U.S. and Japanese organizations and officials on a wide range of issues related to energy economics, electricity deregulation, and energy research and development.

Dr. TerBush joined EPRI in 1997 as a senior economist focused on the U.S. electricity market. Recent accomplishments include successful development of research programs focused on new nuclear plant deployment, advanced cooling technologies and long-term

nuclear plant operations beyond 60 years; and developing a technical approach combining financial options theory with probabilistic decision tree analysis for assessing the value of R&D and new energy technologies. Before joining EPRI, he worked as an economist at the Nuclear Energy Institute where he studied global energy, environmental, and technology trends.

Dr. TerBush has a Ph.D. in Economics from George Mason University where he researched the relationship between energy regulation and the performance of U.S. and international energy markets and economic growth and stability. Much of this research was conducted in Japan while working for EPRI in Tokyo between 1999 and 2003. In addition to energy and environmental issues, his research has also focused on public policy and political constitution.