



The Honorable Vicki Bailey
Anderson Stratton International, LLC

Vicky A. Bailey brings to any position over twenty years of high level, national and international, corporate executive and governmental experience in energy and regulated industries. Now an energy industry entrepreneur, Ms. Bailey has demonstrated leadership as a state and federal regulator, a public utility corporate executive and as the leading international official for the US Department of Energy. In these roles she has been at the forefront and the intersection of energy and environmental policies at both the private and governmental arenas. Her counsel and expertise continues to be relied upon by policymakers in both the private and public sector.

Most recently, in the private sector, she has been involved as an entrepreneur and principal of BHMM Energy Services LLC, a certified minority owned energy facilities management organization, as well as the president of the Anderson Stratton International LLC management consultants in domestic and international energy industries. Ms. Bailey's executive experience includes President and board member of PSI Energy, Inc., Indiana's largest electric utility and subsidiary of the holding company Cinergy Corp., now Duke Energy.

Ms. Bailey's governmental career included presidential appointments by President George W. Bush as the Assistant Secretary for Policy and International Affairs (2001-2004) of the U.S. Department of Energy and an earlier appointment by President William J. Clinton to the office of Commissioner (1993-2000) on the U.S. Federal Energy Regulatory Commission (FERC). As the Assistant Secretary she served as vice chairman of the International Energy Agency (Paris, France) and also chaired several bilateral international working groups among energy producing nations gaining her international experience and stature in energy. While a FERC commissioner she was an architect of wholesale open access policies leading to the creation of regional competitive power markets. Earlier in her public sector career she served multiple terms as Commissioner on the Indiana Utility Regulatory Commission following successive appointments by Governor Robert D. Orr and Governor Evan Bayh. During her long tenure as an Indiana regulator she gained experience and a national reputation for fairness in the regulation of the electric, natural gas, telephone, water and trucking industries.

Currently Ms. Bailey's corporate activities include directorships on the boards of EQT, Inc., Cheniere Energy, Inc., and Battelle Memorial Institute where she holds a top secret clearance. She is a former director of Scottish Power PLC, in the UK. Her non-profit activities include Krannert School Dean's Advisory Council, current board memberships on Resources for the Future and she serves as board member and secretary of the United States Energy Association.

Ms. Bailey is a graduate of the Purdue University's Krannert School of Management having obtained a Bachelor of Science in Industrial Management and recently a Distinguished Alumni Award.



Jonathan Lash
World Resources Institute (WRI)

Jonathan Lash is president of the World Resources Institute (WRI), whose research, analysis and policy recommendations provide practical solutions to global challenges of environment and sustainability. He is recognized internationally for his expertise on climate change, energy security, and resource, environment and development policies. Mr. Lash has broad experience with public policy processes at the international, federal and state levels, and with corporate and business practices worldwide.

Mr. Lash has been a catalyst in engaging business and industry in environmental and sustainability issues. From 1993 until 1999, Mr. Lash served as co-chair of the President's Council on Sustainable Development, a group of U.S. government, business, labor, civil rights, and environmental leaders appointed by President Clinton that developed visionary recommendations for strategies to promote sustainable development. In 2006 he played a key role in the creation and success of the United States Climate Action Partnership, a group of leading companies and environmental groups that in January 2007 issued a highly influential "Call to Action" on global warming.

In June 2005, Mr. Lash was named one of the world's Top 100 Most Influential People in Finance, in the annual ranking of *Treasury & Risk Management* magazine, the only leader of a non-profit environmental organization on the list. Mr. Lash was profiled in *Rolling Stone's* "Warriors & Heroes," a look at "Twenty-five leaders who are fighting to stave off the planet-wide catastrophe." In December 2007, he was named "one of the 100 Most Influential People in Business Ethics" for the year by *Ethisphere* Magazine, recognizing his "commitment to ethical leadership and corporate social responsibility."

As the head of a leading international organization with partners in more than 50 countries, Lash has been involved in research and policy discussions with companies, governments, and civil society organizations all over the world. He has served on a variety of international commissions and boards, including the DuPont Biotechnology Advisory Panel; the Tata Energy and Resources Institute (India); the Keidanren Committee on Nature Conservation (Japan); the China Council for International Cooperation on Environment and Development; Generation Investment Management, The VIVA Trust, and the Avina Foundation. He has chaired advisory groups to the Administrator of the U.S. Environmental Protection Agency and the U.S. Trade Representative, and the Secretary General of the OECD.

From 1987 to 1990, he headed the Vermont Agency of Natural Resources, having served the previous two years as Vermont's Commissioner of Environmental Conservation. During his tenure in Vermont government, Lash helped write, win enactment of and implement innovative statutes on issues ranging from pollution prevention and solid

waste management to protection of pristine streams. In 1990 he became director of the Environmental Law Center at the Vermont Law School.

A former Peace Corps volunteer and federal prosecutor, Mr. Lash worked as a senior staff attorney at the Natural Resources Defense Council (NRDC) from 1978 to 1985, litigating and lobbying on issues related to pollution control, federal coal leasing, strip mining, and energy conservation.

Mr. Lash earned his baccalaureate degree from Harvard University and his masters and law degrees from the Catholic University of America. He served as a law clerk to The Hon. Frank M. Coffin, then Chief Judge of the United States Court of Appeals for the First Circuit.



Dr. Allison MacFarlane
George Mason University

Allison Macfarlane is currently an Associate Professor of Environmental Science and Policy at George Mason University in Fairfax, VA. She is also an affiliate of the Program in Science, Technology and Society at MIT and the Belfer Center for Science and International Affairs at Harvard University. She received her PhD in geology from the Massachusetts Institute of Technology in 1992. She has held fellowships at the Bunting Institute at Radcliffe College, the Center for International Security and Arms Control at Stanford University, and the Belfer Center for Science and International Affairs at Harvard University. From 1998-2000 she was a Social Science Research Council-MacArthur Foundation fellow in International Peace and Security. She has served on National Academy of Sciences panels on nuclear energy and nuclear weapons issues. She is currently chair of the Science and Security Board of the *Bulletin of the Atomic Scientists* and serves on the Keystone Center's Energy Board. Her research focuses on environmental policy and international security issues associated with nuclear energy, especially the back-end of the nuclear fuel cycle. In 2006 MIT Press published her book, *Uncertainty Underground: Yucca Mountain and the Nation's High-Level Nuclear Waste*, which explores the unresolved technical issues for nuclear waste disposal at Yucca Mountain, Nevada.



Dr. Per Peterson
University of California, Berkeley

Per F. Peterson is Professor and Chair of the Department of Nuclear Engineering at the University of California, Berkeley. He grew up in Reno, Nevada, graduating from UNR with a degree in mechanical engineering in 1982. From 1982 to 1985 he worked at Bechtel on the design of the Defense Waste Processing Facility, a facility that is now converting high-level tank wastes at the Savannah River Plant into solidified glass, and then spent three years to complete master's and doctoral degrees in mechanical engineering at UC Berkeley between 1985 and 1988. After completing a

postdoctoral fellowship at the Tokyo Institute of Technology working on topics in heat and mass transfer, he joined the Department of Nuclear Engineering at UC Berkeley in 1990. There he served as a National Science Foundation Presidential Young Investigator from 1990 to 1995; as chair of the Energy and Resources Group, an interdisciplinary graduate group that focuses on linkages between energy, technology, and society, from 1998 to 2000; and as chair of the Department of Nuclear Engineering from 2000 to 2005 and again starting in 2009.

Peterson has served on or chaired advisory committees at Oak Ridge, Idaho, Los Alamos, Lawrence Livermore, and Pacific Northwest National Laboratories, as well as on National Research Council panels studying nuclear waste management and nuclear energy research. From 2003 until 2010 he served as a co-chair of the Generation IV International Forum Proliferation Resistance and Physical Protection Working Group, developing an internationally agreed methodology for assessing and improving security of future nuclear energy systems. In 2010 he was nominated as a member of the U.S. Blue Ribbon Commission on America's Nuclear Future.

Peterson's research focuses on topics in heat and mass transfer, fluid dynamics, and phase change. He has worked on applications in energy and environmental systems, including advanced reactors, inertial fusion, high-level nuclear waste processing, and nuclear materials management and security, and has over 90 archival journal articles and 120 conference publications in these areas. His work supported the development of fundamental models used in the licensing of the passive safety systems of the Westinghouse AP-1000 and General Electric ESBWR reactor designs. He is a recipient of the Fusion Power Associates Excellence in Fusion Engineering Award and is a Fellow of the American Nuclear Society. His most recent work has focused on high temperature heat transport processes for fusion and fission reactors, and on technologies for proliferation resistant nuclear fuel cycles.