

**Invitation for Comment on the Short List Candidates for the Environmental Economics
Advisory Committee Augmented for the Value of Statistical Life Review**

November 5, 2009

The EPA Science Advisory Board (SAB Staff Office) announced in a *Federal Register* notice on July 8, 2009 (Volume 74, Number 129, Pages 32607-32608) that it was augmenting the expertise of the SAB Environmental Economics Advisory Committee (EEAC) to review EPA's draft White Paper on the Value of Statistical Life. To augment the expertise on the EEAC, the SAB Staff Office sought nominations of recognized experts in the valuation of mortality risk reduction, including the use of stated preference and revealed preference (i.e., hedonic wage) methods for estimating the value of mortality risk reductions and the use of meta-analytic techniques. The *Federal Register* notice is available on the SAB Website at <http://www.epa.gov/fedrgstr/EPA-SAB/2009/July/Day-08/sab16131.htm>. The roster of current EEAC panelists may be found at <http://yosemite.epa.gov/sab/sabpeople.nsf/WebCommitteesSubcommittees/Environmental%20Economics%20Advisory%20Committee>.

The SAB Staff Office Director makes the final decision about who will serve on the panel based on all relevant information. This includes a review of the candidate's confidential financial disclosure form (EPA Form 3110-48) and an evaluation of a lack of impartiality. For the EPA SAB Staff Office, a balanced committee or panel is characterized by inclusion of candidates who possess the necessary domains of knowledge, the relevant scientific perspectives (which, among other factors, can be influenced by work history and affiliation), and the collective breadth of experience to adequately address the general charge. Specific criteria to be used in evaluating a candidate include: (a) scientific and/or technical expertise, knowledge, and experience (primary factors); (b) availability and willingness to serve; (c) absence of financial conflicts of interest; (d) absence of an appearance of a lack of impartiality; (e) skills working in committees, subcommittees and advisory panels and for the panel as a whole; (f) diversity of, and balance among, scientific expertise, viewpoints, etc.

The SAB Staff Office identified the attached "Short List" of nominees to augment the EEAC. Brief biographical sketches of the 10 candidates on the "Short List" are listed below for comment. **Please provide any comments you may have with respect to the EEAC members and Short List candidates no later than November 26, 2009.** Please submit your comments to the attention of Dr. Holly Stallworth, Designated Federal Officer at stallworth.holly@epa.gov.

**Candidate Biosketches for Environmental Economics Advisory Committee
Augmented for the Value of Statistical Life
(posted November 5, 2009)**

Alberini, Anna

University of Maryland

Dr. Anna Alberini is an Associate Professor of Economics in the Agricultural and Resource Economics Department of the University of Maryland. Dr. Alberini has a Ph.D. in Economics from the University of California, San Diego, Department of Economics. Dr. Alberini's research interests are in Environmental Economics, and specifically in the valuation of non-market natural resources; estimation and valuation of health effects of environmental quality; hazardous waste and contaminated site policy, and conservation and reuse of urban areas and cultural heritage sites. She has served as a co-editor of the Journal of Environmental Economics and Management, and is currently the coordinator of the Sustainability Indicators and Environmental Valuation Program (SIEV) for the Fondazione ENI Enrico Mattei. She has worked on a number of projects funded by the European Commission on Climate Change and Economic Tools for Environmental and Sustainability Policies.

Cameron, Trudy Ann

University of Oregon

Dr. Trudy Ann Cameron is the Raymond F. Mikesell Professor of environmental and resource economics at the University of Oregon. She holds a Ph.D. in economics from Princeton University and was a member of the faculty in economics at the University of California, Los Angeles, for 17 years before moving to the University of Oregon in January 2002. She has served as a member of the board of directors, as well as vice-president, of the Association of Environmental and Resource Economics and as an associate editor for the Journal of Environmental Economics and Management and the American Journal of Agricultural Economics. She has also served on the Environmental Economics Advisory Committee of the SAB and the Economics and Assessment Working Group of the EPA's Children's Health Protection Advisory Committee. Dr. Cameron's research concentrates on the methodology of non-market resource evaluation, with special emphasis on econometric techniques for the analysis of stated preference survey data. Her recent projects have included a study of popular support (i.e., willingness to pay) for climate change mitigation programs (funded by the National Science Foundation). Another current project uses stated preference survey methods to elicit household choices that reveal willingness to pay to avoid illness, injury, and death. The value of a statistical life is a key ingredient in the benefit-cost analysis of many environmental, health, and safety regulations, and this project seeks to identify how the context of such choices influences the public's willingness to pay for such policies.

Chestnut, Lauraine

Stratus Consulting Inc.

Ms. Lauraine G. Chestnut is a managing economist at Stratus Consulting Inc. specializing in the quantification and monetary valuation of human health and environmental effects associated with environmental pollutants. She has an M.A. in economics from the University of Colorado, Boulder. Ms. Chestnut has over 20 years of experience with Stratus Consulting and its predecessors working for clients including the U.S. Environmental Protection Agency, California Air Resources Board, the National Park Service, Environment Canada, Health Canada, and The World Bank, quantifying and valuing the effects of air pollutants on human health, visibility aesthetics, materials, and crops. She has conducted original economic and survey research to estimate the economic value to the public of protecting human health, visibility aesthetics, and cultural materials from the effects of air pollution; and has conducted epidemiology studies of the effects of particulate matter on human health. She has developed quantification models to estimate the benefits of reductions in air pollutants that have been used to assess provisions of the Clean Air Act in the U.S., proposed Canadian air quality standards, air quality standards in Bangkok, and elsewhere. Ms. Chestnut has numerous publications on these topics in peer reviewed journals including Journal of Environmental Management, Archives of Environmental Health, Journal of the Air and Waste Management Association, and Journal of Policy Analysis and Management. Ms. Chestnut is currently serving on the U.S. EPA, Clean Air Science Advisory Committee, NOx and SOx Secondary NAAQS Review Panel. She served in 2007-2008 on the National Research Council Committee on Mortality Risk Reduction Benefits from Decreasing

Tropospheric Ozone Exposure. She also served on the U.S. EPA Science Advisory Board, Advisory Council on Clean Air Compliance Analysis and on the California Air Quality Advisory Committee. She was elected to the Board of Directors of the Association of Environmental and Resource Economists.

Cropper, Maureen L.

University of Maryland

Dr. Maureen L. Cropper is Professor of Economics at the University of Maryland, a former lead economist at the World Bank, and a University Fellow at Resources for the Future. She received a B.A. in economics from Bryn Mawr College in 1969 and a Ph.D. in economics from Cornell University in 1973. Her research has focused on valuing environmental amenities, especially environmental health effects; on the discounting of future health benefits, and on the tradeoffs implicit in environmental regulations. Her recent research focuses on factors affecting deforestation in developing countries and on the externalities associated with motorization. Dr. Cropper is past president of the Association of Environmental and Resource Economists and a former chair of the Advisory Council for Clean Air Act Compliance Analysis. She has served on the advisory boards of Resources for the Future, the Harvard Center for Risk Analysis, the Donald Bren School of the Environment, and the AEI-Brookings Center on Regulation.

Haab, Timothy

Ohio State University

Dr. Tim Haab is a Professor in the Department of Agricultural, Environmental and Development Economics at Ohio State University. Dr. Haab's research and teaching focus on environmental economics, experimental economics, and applied econometrics. Recent research has looked at the impacts of social norms on common pool resource management, modeling intertemporal decisions, measuring individual discount rates for environmental projects, the consistent modeling of individual welfare across value elicitation methods, and testing the stability of individual preferences in the presence of external stimuli. Dr. Haab's recent applied research includes measuring the value of recreational angling in Ohio and Hawaii, measuring the value of oyster reef restoration in the Chesapeake Bay, and measuring consumer preferences for genetically modified foods. He has broad interests in the methodology and econometrics of nonmarket valuation, experimental economics, and applied welfare analysis. Dr. Haab received his Ph.D. in Economics from the University of Maryland in 1995. He joined Ohio State in 2000 after five years on faculty at East Carolina University.

Hammitt, James K.

Harvard University

Dr. James K. Hammitt is Professor of Economics and Decision Sciences and Director of the Harvard Center for Risk Analysis. He holds appointments in the Department of Health Policy and Management and the Department of Environmental Health and is co-director of the Program in Environmental Science and Risk Management at the Harvard School of Public Health. His research interests include the development and application of quantitative methods of decision and risk analysis to health and environmental policy. Professor Hammitt studies the management of long-term environmental issues with important scientific uncertainties such as global climate change and stratospheric-ozone depletion, the evaluation of ancillary benefits and countervailing risks associated with risk-control measures, and social preferences over health and environmental risks using revealed- and stated-preference methods. He holds degrees in Applied Mathematics (A.B., Sc.M.) and Public Policy (M.P.P., Ph.D.) from Harvard University. Professor Hammitt was Senior Mathematician at the RAND Corporation in Santa Monica and Pierre-de-Fermat visiting professor at the University of Toulouse.

Johnson, F. Reed

Research Triangle Institute

Dr. F. Reed Johnson is Senior Fellow and Principal Economist at Research Triangle Institute (RTI) and is a member of RTI's Scientific Advisory Council. Dr. Johnson received his B.A. degree in economics from Occidental College in Los Angeles and his Ph.D. degree in economics from the State University of New York at Stony Brook. He has served on the economics faculties of Illinois State University, Simon Fraser University, the Stockholm School of Economics, the University of Stockholm, Linköping University, and the U.S. Naval Academy. He currently is Adjunct Professor of Public Policy at the University of North Carolina at Chapel Hill. He previously worked as a staff economist in the Office of Policy Analysis, U.S. Department of the Interior, and in the Office of Policy, Planning, and Evaluation, U.S. Environmental Protection Agency. He was Vice President for Research and Development at Triangle Economic Research. He has been awarded a Brookings

Economic Policy Fellowship and two Fulbright-Hayes scholarships to Sweden. As a staff member in the U.S. Environmental Protection Agency's environmental economics research program during the 1980s, Dr. Johnson helped pioneer development of basic non-market valuation techniques. These techniques are now widely used for cost-benefit analysis in health and environmental economics. He has designed and analyzed numerous surveys for measuring preferences and willingness to pay for health-risk reduction and improved environmental quality. His current research includes developing improved conjoint analysis methods for quantifying patient and physician preferences for health-care interventions and health risks.

Kniesner, Thomas J.

Syracuse University

Dr. Thomas J. Kniesner received his Ph.D. degree in economics from The Ohio State University. Currently he is the Krisher Professor of Economics and Senior Research Associate at the Center for Policy Research at Syracuse University and IZA Research Fellow. During 2002–2006 he served as the chair of the Department of Economics at Syracuse University. Dr. Kniesner's specialty is the econometric examination of labor and health economic issues. His interests are labor supply, workplace safety, and health care costs and use. He has published articles in over 20 different professional journals, including a number of articles in the hedonic wage literature. Journals in which his publications have appeared include *The American Economic Review*, *Econometrica*, *Journal of Political Economy*, *Review of Economics and Statistics*, *Journal of Economic Literature*, *Journal of the European Economic Association*, *Journal of Mental Health Policy and Economics*, *Journal of Monetary Economics*, *Industrial and Labor Relations Review*, *Journal of Labor Economics*, *Journal of Risk and Uncertainty*, *Labour Economics*, *International Economic Review*, *Journal of Policy Analysis and Management*, *Journal of Health Policy, Politics and Law*, *Health Affairs*, *The Economics of Neuroscience*, and *Regulation*. He is the coauthor of seven books, including *Labor Economics: Theory, Evidence, and Policy*, *Simulating Workplace Safety Policy*, *The Law and Economics of Workers' Compensation Insurance*, and *The Effects of Recent Tax Reforms on Labor Supply*. He is currently Co-Editor of the *Journal of Human Resources*, Co-Editor of *Foundations and Trends in Microeconomics*, and Associate Editor of the *Journal of Risk and Uncertainty*.

Krupnick, Alan J.

Resources for the Future

Dr. Alan J. Krupnick is a Senior Fellow and Director of the Quality of the Environment Division at Resources for the Future. He is widely published in the areas of cost-benefit analysis and instrument design, with research on such topics as: the value on reduced morbidity and mortality, issues associated with revision of ozone and PM standards, optimal adders for environmental damage by public utilities, social costing of electricity, global warming and urban smog, alternative fuels, the external costs of nuclear power, measuring the effects of urban transportation policies on the environment, weighing environmental uncertainties, the benefits and cost of Superfund cleanups and many other related topics. He has served as Senior Economist in the Council of Economic Advisors (1993-94), consultant to US AID, World Bank, Health Canada, the European Commission, the Harvard Institute for International Development, the US Congressional Office of Technology Assessment, the University of Missouri, the State of Maryland, the National Commission on Water Quality and other organizations. He has provided expert testimony to the U.S. Congress on implementation and enforcement of the Clean Air Act, the Regulatory Reform Bill in Congress, reforming Superfund risk assessment, cost-effectiveness and cost-benefit analysis and related topics. Dr. Krupnick has been a reviewer for over a dozen journals in the topics of valuation, cost-benefit analysis and related topics. He is currently serving on several Panels organized by the National Academy of Sciences' Transportation Research Board, and has served on many other expert committees, including one from the Royal Society of Canada on the socioeconomic analysis of possible Canada-wide ozone and fine particulate standards. He was also a co-chair of a major EPA-led stakeholder process on implementation of new ozone and fine particulate ambient air quality standards. Dr. Krupnick has his Ph.D and M.A. in Economics from the University of Maryland, and his B.S. in Finance from Pennsylvania State University.

Robinson, Lisa

Consultant

Ms. Lisa A. Robinson is an independent consultant specializing in the economic analysis of environmental, health, and safety regulations. For the U.S. Environmental Protection Agency and other organizations, she has led numerous assessments of the costs, benefits, and other impacts of policy options, developed related methods, and drafted guidance documents. Recently, much of her work has focused on valuing health and longevity in benefit-cost and cost-effectiveness analyses. For example, for the Institute of Medicine, she co-edited the book, *Valuing Health for Regulatory Cost-Effectiveness Analysis* (National Academies Press, 2006) and conducted supporting research. She has developed approaches for valuing diverse health outcomes in regulatory analysis, including those used by the U.S. Department of Homeland Security and by the World Bank to estimate the value of mortality risk reductions. Ms. Robinson was previously a Research Manager at the Harvard Center for Risk Analysis, and prior to that a Principal at Industrial Economics, Incorporated. She worked as the Director of Policy, Planning, and Budget for an independent federal agency and as an analyst at the U.S. Office of Management and Budget. Ms. Robinson is the Vice-Chair of the Economics and Benefits Analysis Specialty Group of the Society for Risk Analysis as well as a member of the Board of Directors of the Society for Benefit-Cost Analysis. She recently chaired the "New Ideas for Risk Regulation" conference sponsored by the Society for Risk Analysis and Resources for the Future, and is acting as Special Editor for an issue of *Risk Analysis* focused on papers from that conference. She received her Master in Public Policy degree from Harvard's Kennedy School of Government, and her B.A. in political science and international relations, magna cum laude with Distinction, from Carleton College.

Smith, V. Kerry

Arizona State University

Dr. V. Kerry Smith is W.P. Carey Professor of Economics at Arizona State University. Prior to his current position, he served as University Distinguished Professor and Director, Center for Environmental and Resource Economic Policy in the Department of Agricultural and Resource Economics at North Carolina State University as well as a University Fellow in the Quality of the Environment Division of Resources for the Future. Dr. Smith received his A.B. and Ph.D. in Economics from Rutgers University. He presented the Frederick V. Waugh Lecture for the American Agricultural Economics Association (AAEA) in 1992 and at the 2002 AAEA annual meeting he was named an AAEA Fellow. In 2004 he was elected a member of the National Academy of Sciences. Dr. Smith is a member of the American Economic Association, the Southern Economic Association, the Association of Environmental and Resource Economists, and several other professional associations. He has also held editorial positions with the Journal of Environmental Economics and Management, Land Economics, Review of Economics and Statistics, and other professional journals. His research interests include non-market valuation of environmental resources, role of public information in promoting private risk mitigation, non-point source pollution and nutrient policy, and the linking of ecological and economic models.

Viscusi, W. Kip

Vanderbilt University

Dr. W. Kip Viscusi is a Distinguished Professor at Vanderbilt University, with primary appointments in the Owen Graduate School of Management and the Department of Economics as well as at the Law School. Dr. Viscusi came to Vanderbilt from Harvard Law School, where he was the John F. Cogan Jr. Professor of Law and Economics and Director of the Program on Empirical Legal Studies. He has also held positions as the Allen Professor of Economics at Duke University, Professor of Economics at Northwestern University, and the Olin Visiting Professor at the University of Chicago. Dr. Viscusi is the author of more than 20 books and 250 articles, most concerned with different aspects of health and safety risk. His research focuses on individual and societal responses to risk and uncertainty. He has served as a consultant to the U.S. Office of Management and Budget, the Environmental Protection Agency (EPA), the Occupational Safety and Health Administration, the Federal Aviation Administration, and the U.S. Department of Justice on issues pertaining to the valuation of life and health. He was deputy director of the Council of Wage and Price Stability in the Carter administration. He is the founding editor of the Journal of Risk and Uncertainty, which he continues to publish at Vanderbilt, and has served on the editorial boards of a dozen other journals. He is co-author of Economics of Regulation and Antitrust and wrote Smoke-Filled Rooms: A Postmortem on the Tobacco Deal.