

**Invitation for Public Comment on the List of Candidates
for the Science Advisory Board Environmental Economics Advisory Committee**

July 5, 2016

The U.S. Environmental Protection Agency (EPA) Science Advisory Board (SAB) Staff Office announced in a Federal Register Notice on April 6, 2016 (81 FR 19967-19969) that it was inviting nominations of scientific experts from a diverse range of disciplinary areas to be considered for the Administrator's appointment to the Science Advisory Board (SAB) Environmental Economics Advisory Committee (EEAC). Through the SAB, the EEAC provides independent advice to the EPA Administrator on economic methods and analyses related to costs and benefits of EPA's environmental policies, programs and regulations. The SAB Staff Office sought nominations of experts in environmental economics to serve on the EEAC.

The SAB Staff Office received nominations for the attached 8 candidates based on their expertise and willingness to serve. We hereby invite public comments on the attached List of Candidates for consideration by the SAB Staff Office in the formation of this Committee. Comments should be submitted to Dr. Holly Stallworth, Designated Federal Officer, no later than July 26, 2016 at stallworth.holly@epa.gov. E-mail is the preferred mode of receipt. Please be advised that public comments are subject to release under the Freedom of Information Act.

Biosketch Information

Environmental Economics Advisory Committee Nominees

Boyle, Kevin

Virginia Polytechnic Institute and State University

Dr. Kevin Boyle is an environmental economist who specializes in the valuation of resources that are not traded in markets. Dr. Boyle is Professor and Director of the Virginia Tech Program in Real Estate. Prior to this position he was Head of the Department of Agricultural and Applied Economics at Virginia Tech. He was formerly Distinguished Maine Professor and Libra Professor of Environmental Economics at the University of Maine. Dr. Boyle holds a Ph.D. from the University of Wisconsin. Dr. Boyle has held editorial positions with the Journal of Environmental Economics and Management and Marine Resource Economics. Dr. Boyle was recognized by the Carnegie Foundation for the Advancement of Teaching as "U.S. Professor of the Year, Maine" in 2004. Dr. Boyle's research investigates the validity of nonmarket valuation methods, including stated preferences (contingent valuation and attribute-based choices), revealed preferences (random-utility, travel-cost models, averting behavior and hedonic, property-value models), and benefits transfers. He has published more than 90 peer-reviewed journal articles. His current research on benefit transfers establishes the theoretical basis of benefit transfers and the estimation of bounds for benefit-transfers to address uncertainty. Dr. Boyle is serving as the principal investigator for a National Park Service grant to develop procedures to estimate the value of changes in the annual distribution of visibility in Class 1 areas in accordance with U.S. EPA's Regional Haze Program.

Carson, Richard

University of California, San Diego

Dr. Richard Carson is a Professor in the Department of Economics at the University of California, San Diego where he previously served as Department Chair. He is a past President of the Association of Environmental and Resource Economists (AERE) and is an elected Fellow of AERE as well as an elected Fellow of the Agricultural and Applied Economics Association. Previously he served as Research Director for International Environmental Policy at the University of California's Institute on Global Conflict and Cooperation, as a Senior Fellow at the San Diego Supercomputer Center, and as Program Chair for the Second World Congress of Environmental and Resource Economists. Dr. Carson received his Ph.D. in resource economics from University of California - Berkeley in 1985. He has worked on a wide range of environmental economics and econometric issues with a particular emphasis on the valuation of non-marketed and new goods and forecasting pollution. He has served as principal investigator on several major projects including the benefit assessment for the U.S. Clean Water Act and the damage assessment for the Exxon Valdez oil spill. Dr. Carson has also served as a consultant to a number of local, state, federal agencies, foreign governments and international organizations. He has been a member of U.S. National Academy of Sciences committees reviewing oil spill prevention policies and water resource planning procedures. Dr. Carson is the author of over a hundred published papers and the author or editor of seven books. His books include *The Stated Preference Approach to Environmental Valuation*, *Economic Valuation with Stated Preference Techniques: A Manual and Valuing Oil Spill Prevention: A Case Study of California's Central Coast* and *Both Sides of the Border: Transboundary Environmental Management Issues Facing Mexico and the United States*. With Robert Mitchell, he wrote the award winning book *Using Surveys to Value Public Goods: The Contingent Valuation Method*.

Clyde, Martin**Texas Tech University (Retired)**

Dr. Clyde Martin received his PhD in Mathematics from the University of Wyoming in 1971, worked as a National Research Council Research Associate at NASA from 1971-1973 and was a Paul Whitfield Horn Professor of Mathematics at Texas Tech University for 30 years. Clyde F. Martin's research interests include the development and analysis of mathematical and statistical models in medicine and environmental problems and control theory. He has collaborated with engineers and scientists in a number of areas including aeronautics, bioengineering, economics, analytical chemistry, public health, epidemiology and chemical engineering on a variety of scientific topics. He is a Fellow of the Institute of Electrical and Electronic Engineers, a Fellow of the American Statistics Association and an elected member of the International Statistics Institute. In November of 2001 he received an honorary doctorate for his contributions to mathematics and modeling from the Royal Institute of Technology in Stockholm, Sweden. He has received distinguished alumni awards from both Emporia State University and the University of Wyoming. He has directed more than 120 students to advanced degrees and published more than 400 papers in a variety of disciplines. From August 2012 to August 2013 he served as a Jefferson Science Fellow at the United States Department of State.

DeShazo, J.R.**University of California, Los Angeles**

Dr. J.R. DeShazo is the Director of the Luskin Center for Innovation at the University of California at Los Angeles where he is also a Professor and Vice Chair of the Department of Public Policy in the Luskin School of Public Affairs at UCLA. His areas of research expertise include mortality and morbidity risk valuation, survey and sample design, water, air and nano-materials regulation, environmental justice program evaluation, and the design of environmental regulations. He served on the Editorial Council for the Journal of Environmental Economics and Management (2003-2007) and was Special Editor for Environmental and Resource Economics (2005). Dr. DeShazo has published over 40 articles and has over 800 citations in Google Scholar. He holds a Ph.D. from Harvard University and a M.Sc. in Economics from Oxford University, where he was a Rhodes Scholar.

Haab, Timothy**Ohio State University**

Dr. Timothy Haab is Department Chair and Professor at Ohio State University in the Department of Agricultural, Environmental and Developmental Economics. His 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 joined the department in 2000 after five years on faculty at East Carolina University.

Johnson, F. Reed**Duke Clinical Research Institute**

Dr. F. Reed Johnson has more than 35 years' experience in health and environmental economics. He has served on the faculties of universities in the United States, Canada, and Sweden, as Distinguished Fellow at Research Triangle Institute, and currently is Senior Research Scholar at the Duke Clinical Research Institute. While on the staff of the US Environmental Protection Agency's environmental economics research program during the 1980s, Dr. Johnson helped pioneer development of basic nonmarket valuation techniques. His current research involves estimating general time

equivalents among health states and patients' willingness to accept side-effect risks in return for therapeutic benefits. He recently led the first Food and Drug Administration (FDA) sponsored study to quantify patients' willingness to accept benefit-risk tradeoffs for new health technologies. The results are being used to inform reviews of regulatory submissions and the study formed the basis for recently issued FDA draft guidance on patient benefit-risk preferences in regulatory submissions. Dr. Johnson has over 125 publications in books and peer-reviewed journals. He has coauthored a book on techniques for using existing environmental and health value estimates for policy analysis. He led an International Society for Pharmacoeconomics and Outcomes Research (ISPOR) task force on experimental design. The report was most-cited article in Value in Health in 2012-2013 and had over 3000 downloads last year. He has received two Fulbright-Hayes Scholarships to Sweden and an Economic Policy Fellowship at the Brookings Institution. He was a member of the Gates Foundation Technical Advisory Panel on Diseases of the Most Impoverished. He is a founding member of the International Academy of Health Preference Research, serves on the ISPOR Health Science Policy Council, the ISPOR Task Force on Best Practice Methods for Stated-Preference Research, and the Johns Hopkins Diabetes Action Board. He currently serves on the editorial board of The Patient, and has served as special issues editor and journal co-editor of Value in Health.

Ready, Richard

Pennsylvania State University

Dr. Richard Ready is Professor of Agricultural and Environmental Economics at Pennsylvania State University. Dr. Ready received an MA and a PhD in Agricultural and Resource Economics from the University of Wisconsin in 1985 and 1988 respectively, and a BS in Fishery Science from Cornell University in 1981. Dr. Ready's research focuses on the economic valuation of ecosystem services with particular emphasis on how ecosystem services are affected by land use change, climate change, and invasive species. Dr. Ready's research integrates models of ecological, geophysical, and demographic processes into economic valuation models to evaluate future changes in ecosystem services and their values, and how those values would be affected by policy actions. Recent examples include research to project the impact of land use change and climate change on wetland hydrology and research on the impact of invasive species on outdoor recreation. Dr. Ready has authored or co-authored articles appearing in the American Journal of Agricultural Economics, the Journal of Environmental Economics and Management, Environmental and Resource Economics, Ecological Economics, and Water Resources Research. He has served on editorial boards of Land Economics and American Journal of Agricultural Economics. Dr. Ready's research has been supported by the U.S. Environmental Protection Agency, the U.S. Department of Agriculture, the U.S. Forest Service, and the U.S. Army Corps of Engineers.

Swallow, Stephen

University of Connecticut

Dr. Stephen K. Swallow is Professor of Environmental Economics in the Department of Agricultural and Resource Economics and Center for Environmental Sciences and Engineering at University of Connecticut. He received a BS (1982) from Cornell University in natural resources and applied ecology, and a MS (1986) and PhD (1988) from Duke University in resource economics. His research has involved the economics of ecosystem management including forest management models and integration of renewable and nonrenewable resource theories, methods and applications of valuation, particularly stated preferences applied to conservation of farm, forest, open space, watershed management, or rural community development, integration of metapopulation ecology with rural development including wetlands, development of incentive mechanisms for conservation, experimental economics for provision of public goods, and development of field markets for ecosystem services. He has received funding from the U.S. Department of Agriculture, National Science Foundation (NSF) and the Environmental Protection Agency, and served in several committed for the NSF Long Term Ecological Research Network's Decadal Plan and U.S. Forest Service Fire Science Review Panel. He has published in the American Journal of Agricultural Economics (AJAE), Journal of Environmental Economics and Management (JEEM), Land Economics, Journal of Public Economics, Southern Economic Journal, Conservation Biology, Ecological Applications, and others, and he recently received a U.S. patent for auction processes for public goods. He served as an Associate Editor of JEEM, Editor of AJAE, and has been a Director of Association of Environmental and

Resource Economists and Northeastern Association of Agricultural and Resource Economists, serving the latter also as President and Distinguished Member.