

**Delta Protection Commission Economic Sustainability Plan
Independent Science Review Panel Biographies**

Robert Gilbert, PhD. Dr. Gilbert is the Brunswick-Abernathy Professor in Civil, Architectural and Environmental Engineering at The University of Texas at Austin. He joined the faculty in 1993. Prior to that, he earned B.S. (1987), M.S. (1988) and Ph.D. (1993) degrees in civil engineering from the University of Illinois at Urbana-Champaign. He also practiced with Golder Associates Inc. as a geotechnical engineer from 1988 to 1993. His expertise is the assessment, evaluation and management of risk in civil engineering. Applications include building foundations, slopes, pipelines, dams and levees, landfills, and groundwater and soil remediation systems. He teaches undergraduate, graduate and professional level courses. He conducts research supported by federal and state agencies and private industry. Recent activities include analyzing the performance of offshore platforms and pipelines in hurricanes; managing earthquake and flooding risks for the Sacramento-San Joaquin Delta in California; and performing a forensic analysis of the New Orleans levee failures.

Janie Chermak, PhD, is an applied micro economist who specializes in natural resource economics. She earned her MSc and PhD in Mineral Economics from the Colorado School of Mines and a BA in geology from Western State College. She is a Professor of Economics at the University of New Mexico and is an associated faculty member of the Water Resources Program. Her research often incorporates aspects of the physical sciences within a dynamic optimization framework. This includes work in energy, water, and invasive species. Specific to water, her research includes work in residential water demand estimation, incorporation of dynamic economic models with surface and ground water models via dynamic simulation, the economic considerations of systems with temporal delays between consumption and environmental impacts. Chermak recently served on the Committee on Understanding the Impacts of Selling the Helium Reserve for the National Research Council for the National Academies and is currently an Associate Editor for Water Resources Research.

William F. Marcuson, III, Ph.D., P.E., Hon. M.ASCE. William F. Marcuson III was President of the American Society of Civil Engineers (ASCE) and is one of the nation's leading civil engineers. He holds degrees in civil engineering from The Citadel, Michigan State University and North Carolina State University. He has received five national awards from ASCE, including the Norman Medal, civil engineering's oldest honor. In 1995 he was honored by the National Society of Professional Engineers as their Federal Engineer of the Year. His career included research and administrative positions at the U. S. Army Engineer Waterways Experiment Station, where he served as Director of the Geotechnical Laboratory for nearly 20 years, prior to his retirement in 2000. He is the only engineer to be named the Corps of Engineer's Engineer of the Year twice (1981 and 1995), and he was honored by the Corps as their Civilian of the Year in 1997. He was elected to the National Academy of Engineering in 1996 for his contributions to the design and analysis of embankment dams.

Richard Adams, PhD is Professor emeritus of Agricultural and Resource Economics at Oregon State University. Professor Adams was selected as a Distinguished Fellow by the American Agricultural Economics Association in 2001, and was recently named one of the top four percent of academic economists in the world in Who's Who in Economics. He has won numerous research awards, including the 2008 Publication of Enduring Quality award from the American Agricultural Economics Association for his 1990 publication in Nature on the economics effects of climate change on U.S. agriculture. He served as editor of the American Journal of Agricultural Economics and associate editor for Water Resources Research and the Journal of Environmental Economics and Management. He has made important contributions to the economic policy of, among other areas, global climate change, water

resources, the valuation of non-market goods, and recreation. His research findings have been published over 150 peer-reviewed books, book chapters and journal articles. Dr. Adams is a member of various government committees dealing with climate change, water resources management, and other environmental issues. Dr. Adams' current research interests focus on the use of economic information in water resource allocation decisions, including analysis of the value of weather and other information in the management of water resources. Dr. Adams received his B.S., M.S., and Ph.D. in Agricultural Economics from the University of California, Davis.

Thomas R. Harris, PhD is a Foundation Professor in the Department of Resource Economics in the College of Agriculture, Biotechnology, and Natural Resources; State Extension Specialists in Community and Economic Development in University of Nevada Cooperative Extension; and the Director of the University Center for Economic Development at the University of Nevada, Reno. Dr. Harris has been at UNR since 1981 and his primary areas of teaching, research and extension are rural economic development, economic impact modeling, and local government finance. Dr. Harris has worked on issues of reallocation of surface water and its impact of regional economies as well as regional economic impacts of alternative public land grazing management scenarios. Dr. Harris has served the department as interim department head on two occasions. Dr. Harris has several ongoing projects in rural Nevada communities through the University Center for Economic Development.