Contributors

Kristen Averyt is Deputy Director of the Western Water Assessment (WWA), a joint program between the National Oceanic and Atmospheric Administration (NOAA) and the University of Colorado at Boulder, focused on climate adaptation in the Western US. She has a Ph.D. from Stanford University in Geological and Environmental Science, and is trained as a geochemist. Her current research focuses on the intersection of energy, water, and climate change, and the use of climate information in decision making. Prior to joining WWA, Averyt was a staff scientist for Working Group I of the Intergovernmental Panel on Climate Change.

Melinda Harm Benson is an assistant professor in the Department of Geography at the University of New Mexico. Her research and teaching focus on environment and natural resource management challenges, with a particular emphasis on emerging trends in environmental governance including adaptive management. Prior to academic life, she worked as an attorney representing conservation groups on environment and natural resources issues in the Intermountain West.

Steven J. Burian is an associate professor of civil and environmental engineering at the University of Utah where he teaches and conducts research in the areas of water resources, energy, and sustainability. He is a registered professional engineer in Utah, and is active in numerous professional societies including the American Society of Civil Engineers (ASCE), American Meteorological Society (AMS), American Water Resources Association (AWRA), Water Environment Federation (WEF), American Geophysical Union (AGU), and American Society of Engineering Educators (ASEE). Burian earned a B.S. in Civil Engineering from the University of Notre Dame and an M.S.E. in Environmental Engineering and a Ph.D. in Civil Engineering from the University of Alabama.

Steve A. Conrad is a Pacific Institute for Climate Solutions Ph.D. fellow with the School of Resource and Environmental Management, Simon Fraser University. He is also a managing partner with the Vancouver, BC-based resource management consulting firm Resilient Consulting Group Inc. He has consulted widely concerning municipal energy use, water demand management, greenhouse gas emissions, and resource
efficiency. His major research interests include predicting human behavior response to resource management policy, and the integration of social science theories with technical models to improve decision-making.

Heather Cooley is Co-Director of the Pacific Institute’s Water Program. Her research addresses the connections between water and energy, sustainable water use and management, and the hydrologic impacts of climate change. She holds a B.S. in Molecular Environmental Biology from the University of California, Berkeley and an M.S. in Energy and Resources from UC Berkeley.

Susanna Eden is the Coordinator for Applied Research at the Water Resources Research Center, University of Arizona. Her research centers on policy and decision-making in water management and the use of scientific information, focusing on subjects such as groundwater recharge and recovery, sustainability and growth, and climate change. She holds a Ph.D. in Water Resources Administration from the University of Arizona.

Katherine L. Guerra is a member of the Environmental Applications Research Group at the US Bureau of Reclamation in Denver, CO. As a chemical engineer, her research focus is the development and application of advanced water treatment technologies to meet the bureau’s mission of increasing water supplies in the western US. In recent years, her work has focused on the characterization and treatment of produced (coalbed methane) water.

Joseph H. Hoover is currently pursuing a doctoral degree in geography at the University of Denver. His research interests include GIS applications to water resources and environmental policy as well as the water–energy nexus. He is specifically interested in how Internet geovisualization can be used to aid water resource management and environmental decision-making. He has a Bachelors degree in Environmental Science from Northwestern University and a Masters degree in Geography from the University of Arizona. Hoover was recently awarded a US Environmental Protection Agency Science to Achieve Results (STAR) Fellowship.

Tom Iseman is the Program Director for Water Policy at the Western Governors’ Association (WGA), where he works on water supply, drought, and climate issues for the 19 Western states and three US-flag Pacific islands. Prior to joining WGA, Iseman worked on water resource issues for the US Department of the Interior and The Nature Conservancy. He has extensive experience in statewide and regional water supply planning, including Colorado’s Statewide Water Supply Initiative, the Upper Colorado River Endangered Fish Recovery Program, and FERC hydro-
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power relicensing. Iseman has a B.A. in History from Princeton University (focusing on Western water issues) and an M.S. from the University of Michigan in aquatic ecology.

Melinda Kassen is an independent water consultant and attorney, and a gubernatorial appointee to Colorado’s Interbasin Compact Committee (IBCC). Her previous professional experience includes stints directing Trout Unlimited’s Colorado and Western Water Projects to protect and restore healthy stream flows, working for ICF Kaiser and Kaiser-Hill on cleaning up the Rocky Flats Plant, serving as environmental counsel to the US House of Representatives Armed Services Committee, handling water and toxics issues at the Environmental Defense Fund, teaching environmental and administrative law at the University of Denver’s College of Law, and representing Colorado water and water quality agencies as a state Assistant Attorney General. Kassen received her A.B. magna cum laude from Dartmouth College and her J.D. from Stanford Law School.

Douglas S. Kenney is a Senior Research Associate at the Natural Resources Law Center, located within the University of Colorado Law School, where he directs the Western Water Policy Program. He has written extensively on several water-related issues, including law and policy reform, river basin and watershed-level planning, the design of institutional arrangements, water resource economics, and climate change adaptation. He has served as a consultant to a variety of local, state, multi-state, and federal agencies, including several Interior Department agencies, the Environmental Protection Agency, the US Forest Service, and special commissions (for example, the Western Water Policy Review Advisory Commission), and has made presentations in (at least) 17 states, six nations, and four continents. Kenney has a B.A. in Biology from the University of Colorado, a M.S. in Natural Resources Policy and Administration from the University of Michigan, and a Ph.D. in Renewable Natural Resource Studies from the University of Arizona.

Melissa L. Lamberton is an MFA candidate in Creative Writing and Environment at Iowa State University and former research specialist at the University of Arizona’s Water Resources Research Center. Her science journalism has appeared in The Tucson Citizen, The Arizona Daily Star, and on the University of Arizona Lunar and Planetary Laboratory’s website. She specializes in communicating to the public about water policy, climate change, and environmental flows.

Sara G. Larsen is an engineer working at Los Alamos National Laboratory modeling water and energy inter-dependencies, efficiency and sustainability. She earned a B.S. in Geography and a M.S. in Civil and
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**Lawrence J. MacDonnell** is a Professor at the University of Wyoming College of Law where he teaches courses on water rights, public lands, and natural resources. Previously, he served as the original director of the Natural Resources Law Center at the University of Colorado and as an Assistant Professor in Mineral Economics at the Colorado School of Mines, where he taught micro- and macroeconomics, environmental economics and mineral transactions. He has worked in private law practice, as a consultant, and for nonprofit organizations. He holds a B.A. from the University of Michigan, a J.D. from the University of Denver College of Law, and a Ph.D. from the Colorado School of Mines.

**Sharon B. Megdal** is Director of the University of Arizona Water Resources Research Center and is the C.W. and Modene Neely Endowed Professor in the College of Agriculture and Life Sciences. She also serves as Director of the University of Arizona Water Sustainability Program. Her work focuses on state, regional and transboundary water resources management and policy. Megdal is an elected member of the Central Arizona Project Board of Directors. In 2010, she was named Distinguished Outreach Professor by the University of Arizona. She holds a Ph.D. in Economics from Princeton University.

**Bart Miller** is Water Program Director at Western Resource Advocates (WRA), a non-profit law and policy organization dedicated to protecting the West’s land, air, and water. At WRA he directs projects throughout the region to improve urban water use efficiency, minimize the water-related impacts of energy development, and protect and restore river flows and other habitat in many river basins. He has written and spoken on many environmental topics, including water development, federal reserved water rights, the Endangered Species Act, and the interface between water and energy use. Miller graduated *cum laude* from Dartmouth College and received his J.D. from the University of Colorado’s School of Law.

**Martin J. Pasqualetti** is Professor in the School of Geographical Sciences and Urban Planning at Arizona State University. He is past chair of the Arizona Solar Energy Advisory Council, a member of the board of the Arizona Solar Center, and Associate Member of the National Wind Coordinating Collaborative. He has published books on wind power, nuclear power plant decommissioning, landscape evolution and public perception of risk, as well as articles and book chapters on solar power, geothermal power, wind power, oil sand development, the social costs of nuclear power and renewable energy at the US/Mexico border. His current
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Ronald C. Pate is a Principal Member of Technical Staff at Sandia National Laboratories, where he has worked for nearly 24 years on a variety of programs spanning national security, defense systems, sensors, energy systems, and critical resource issues. In recent years, he has focused on biofuels and the interdependencies of energy and water, and is a member of the team that has been coordinating and leading Sandia program development and R&D projects related to algal biofuels. Pate has a B.S. in Engineering Physics from the University of Arizona and an M.S. in Electrical Engineering from the University of Colorado.

Alex Schroeder is the Program Director for Alternative Transportation Fuels and Nuclear Waste Transportation at the Western Governors Association, where he works on a variety of energy and nuclear waste policy issues for the 19 Western States and three US-flag Pacific islands. Prior to joining the WGA in 2005, Schroeder worked for the Colorado Energy Research Institute and PA Consulting on developing policies to encourage innovation and asset valuation in the electric utility sector; he also has experience with systems optimization. He received his B.S. in General Engineering and completed the Professional Pilot Program at the University of Illinois, and has an M.S. in Engineering and Technology Management from the Colorado School of Mines.

Cynthia L. Schwartz is a Graduate Research Associate at Arizona State University’s Human and Social Dimensions of Science and Technology doctoral program, housed in the Consortium for Science, Policy and Outcomes (CSPO). Her research focuses on the link between non-economic public values surrounding solar energy policy and beneficial social outcomes. As a core focus area, she evaluates how Southwestern residents value the use of water for solar energy production.

Christopher A. Scott is Associate Research Professor of Water Resources Policy at the Udall Center for Studies in Public Policy, and Associate Professor in the School of Geography and Development, at the University of Arizona. His current research projects focus on adaptive water management under global change, urban water reuse, transboundary groundwater, ecosystem resilience, and the water–energy nexus. He has over 15 years of professional water management experience outside the academy, including six years in India, three in Mexico, and two in Honduras.

Frances Spivy-Weber is Vice Chair of the State Water Resources Control Board, a five-member California board that oversees water quality and
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**Stacy Tellinghuisen** is a Senior Energy/Water Policy Analyst at Western Resource Advocates, a non-profit conservation organization that works to protect the air, land, and water of the Interior West. Previously, she was an energy/water analyst for the California Sustainability Alliance, where she researched the energy intensity of Southern California’s water supplies. Tellinghuisen currently works on both sides of the energy–water nexus, evaluating the energy impacts of new water supplies, water conservation, and alternative supply strategies, and the water benefits (or impacts) of different forms of energy. She graduated *cum laude* from Carleton College with a B.A. in Geology and has a Masters in Environmental Science and Management from the University of California.

**Robert Wilkinson** is an Adjunct Associate Professor at the Bren School of Environmental Science and Management at the University of California, Santa Barbara, where he is also a Lecturer in the Environmental Studies Program. Wilkinson advises government agencies, businesses, and non-governmental organizations on water and energy policy, climate research, and environmental policy issues. He co-chairs the US Sustainable Water Resources Roundtable and serves on a number of advisory boards including the Task Force on Water and Energy Technology for the California Climate Action Team, the advisory committee for California’s State Water Plan, the Blue Ribbon Committee for Metropolitan Water District of Southern California, and he is an advisor to agencies including the California Energy Commission, the California State Water Resources Control Board, and the California Department of Water Resources.

**Jack E. Williams** is the Senior Scientist for Trout Unlimited, a non-profit group dedicated to conservation of coldwater fishes and their habitats in the United States. Prior to his current position, he was a Professor at Southern Oregon University, Forest Supervisor of the Rogue River and Siskiyou National Forests in Oregon, and Deputy Forest Supervisor of the Boise National Forest in Idaho. Williams has also worked for the University of California-Davis, the US Fish and Wildlife Service, and the
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