

LOUISE WELLS BEDSWORTH

Public Policy Institute of California
500 Washington Street, Suite 600
San Francisco, California 94111
Phone: 415.291.4469; Fax: 415.291.4401
bedsworth@ppic.org

EDUCATION

University of California, Berkeley

Ph.D., Energy and Resources Group, May, 2002

Master of Science, Civil and Environmental Engineering, May 1997

Massachusetts Institute of Technology, February 1996

Bachelor of Science, Earth, Atmospheric, and Planetary Sciences (minor in Environmental Engineering)

HONORS AND AWARDS

Council on Foundations Wilmer Shields Rich Bronze Award for Excellence in Communications, 2005, report on air quality in the San Joaquin Valley (produced with support from the Steven and Michele Kirsch Foundation)

University of California Dissertation Year Fellowship, 2001-2002

Environmental Protection Agency, Science to Achieve Results Graduate Fellowship, 1998-2001

Outstanding Graduate Student Instructor Award, Spring 2001

Young Scientists' Summer Program at the International Institute of Applied Systems Analysis, May-August, 1998

DOE Science and Engineering Research Semester at Lawrence Livermore National Laboratory, January-May, 1996

PROFESSIONAL ACTIVITIES

2003 – present, Member, Bay Area Air Quality Management District Advisory Council (Chairwoman – 2008; Vice-Chairwoman – 2007; Secretary – 2006, Chairwoman, Technical Committee – 2004)

2007 Appointed as member of Oil Independent Oakland by 2020 Task Force

2000 – 2001, Member, Executive Committee, Energy and Resources Group, UC Berkeley

RESEARCH EXPERIENCE

Public Policy Institute of California

Research Fellow, July 2006 – present; Visiting Fellow, July 2002 – February, 2003

Conduct research on environmental policy issues relevant to California. Current analysis includes an analysis of the innovation effects of the Zero-Emission Vehicle program; assessment of implications of climate change for environmental planning and regulation; role of local government in climate change policy; and exploration of the potential synergies and conflicts between the state's air quality and climate change goals.

Union of Concerned Scientists

Senior Analyst, Clean Vehicles Program, February, 2003 – June, 2006

Prepared analyses to support clean vehicle and air quality regulations in California. Responsibilities included preparing reports, providing testimony and comments, working with policymakers, and interacting with the media.

University of California, Berkeley

Graduate Student Researcher, August 1996 – May, 2002

- Analyzed the design, implementation, and evaluation of California's motor vehicle inspection and maintenance program. Research methods include interviews, observation, and document and data analysis.
- Other projects include analysis of public perception and debates over the disposal of California's low-level radioactive waste and modeling of groundwater pollution at Lawrence Livermore National Laboratory.

Redefining Progress

Research Associate, Oakland, California, January – May, 2002

Analyzed national energy and consumption data as part of a joint effort between Redefining Progress and Earth Day Network to adapt the Ecological Footprint calculator for many countries worldwide.

International Institute for Applied Systems Analysis

Research Associate, Laxenberg, Austria, June – August, 1999

Prepared a comparative analysis of motor vehicle emission regulations in the E.U. and the U.S.

Lawrence Livermore National Laboratory

Assistant Analyst, Water Guidance and Monitoring Group

Livermore, California, January – May, 1996

Developed a storm water model for laboratory environmental monitoring program.

TEACHING EXPERIENCE

Graduate Student Instructor

University of California, Berkeley

Energy and Society: Energy and Resources 100/200 (Fall 2000)

Joint undergraduate and graduate course required for all ERG students (approximately 60 students from ERG, engineering, public policy, and letters and sciences)

Principles and Methods of Risk Analysis: Nuclear Engineering 275 (Fall 1999)

Graduate elective in Nuclear Engineering (approximately 30 students from engineering, ERG, public health, and public policy)

Introduction to Environmental Science and Engineering: Engineering 11 (Fall 1998)

Undergraduate introductory class for all Civil Engineering majors (approximately 70 students)

Guest Lecturer

University of California, Berkeley

Environmental Policy, Goldman School of Public Policy (Fall, 2004; Fall, 2006; Fall 2007)

Automobility, Letters and Sciences 121 (Fall, 2001)

Principles and Methods of Risk Analysis, Nuclear Engineering 275 (Fall, 2001)

Summer School Instructor

Portsmouth Abbey and School, Portsmouth, Rhode Island

Summer 1994, 1995 and 1996

Math and science teacher in a college-preparatory program for middle and high school students.

PUBLICATIONS AND PRESENTATIONS

Peer-reviewed Journal Publications

- Bedsworth, Louise. Forthcoming. Climate Change and California's Local Health Officers – A Role for Scientists. Accepted for publication in the *Bulletin of the American Meteorological Society*.
- Bedsworth, Louise. Forthcoming. Preparing for Climate Change: A Perspective from Local Public Health Officers in California. Accepted for publication in *Environmental Health Perspectives*: doi:10.1289/ehp.0800114. [Online 8 December 2008]
- Bedsworth, Louise Wells, Micah D. Lowenthal, and William E. Kastenberg. 2004. Uncertainty and Regulation: The Rhetoric of Risk in the California Low-Level Radioactive Waste Debate. *Science, Technology, and Human Values* 29: 406 - 427.
- Bedsworth, Louise Wells and William E. Kastenberg. 2002. Science and Uncertainty in Environmental Regulation: Insights from the Evaluation of California's Smog Check Program. *Science and Public Policy* 29(1): 13-24.

Reports and Monographs

- Bedsworth, Louise and Ellen Hanak. 2008. *Preparing California for a Changing Climate*. Public Policy Institute of California: San Francisco, CA.
- Bedsworth, Louise. 2008. *Air Quality Planning and California's Changing Climate*. Public Policy Institute of California: San Francisco, CA.
- Bedsworth, Louise. 2008. *Climate Change and California's Public Health Institutions*. Public Policy Institute of California: San Francisco, CA.
- Hanak, Ellen, Louise Bedsworth, Sarah Swanbeck, and Joanna Malaczynski. 2008. *Climate Policy at the Local Level: A Survey of California's Cities and Counties*. Public Policy Institute of California: San Francisco, CA.
- Bedsworth, Louise W., 2008, *Climate Change and California's Local Public Health Agencies*, Public Policy Institute of California, Occasional Paper.
- Bedsworth, Louise W. and Margaret R. Taylor, 2007, Learning from California's Zero- Emission Vehicle Program, *California Economic Policy*, Public Policy Institute of California, Vol. 3, No. 4.
- MacKenzie, Donald, David Friedman, and Louise Bedsworth, 2005, *Fuel Economy Fraud: Closing the Loopholes that Increase U.S. Oil Dependence*, Union of Concerned Scientists: Cambridge, MA. August.
- Bedsworth, Louise Wells. 2005. *Clearing the Air in the San Joaquin Valley: Developing an Action Plan for Regulators, Legislators, and the Public*, Union of Concerned Scientists: Cambridge, MA. February.
- Bedsworth, Louise Wells. 2004. *Climate Control: Reducing Greenhouse Gas Emissions from California Cars*, Union of Concerned Scientists: Cambridge, MA, May.
- Bedsworth, Louise Wells. 2003. *A Portrait of Air Quality in the San Joaquin Valley*, Working Paper, Public Policy Institute of California: San Francisco, CA, April.
- Wells, Louise L. and W. E. Kastenberg. 1997. *Natural Attenuation of Trichloroethylene in Aquifers*. Center for Nuclear and & Toxic Waste Management, University of California, Berkeley. August 15, 1997. CNTWM 97-5.

Conference Proceedings and Presentations

- Bedsworth, Louise Wells and Margaret R. Taylor. Driving Change: California's ZEV Program as a Model for Dynamic Regulation in Support of Innovation. Presented at the Association for Public Policy Analysis and Management Fall Conference, November 2, 2006, Madison, Wisconsin.
- Bedsworth, Louise Wells. Reducing Greenhouse Gas Emissions from California's Passenger Vehicles, Society of Automotive Engineers, Future Transportation Technology Conference, June 23, 2003, Costa Mesa, California.

Wells, Louise L. and William E. Kastenberg. Uncertainty at the Science Policy Interface: A Tool for Environmental Decision Making?. *Proceedings of the Society for Risk Analysis Meeting*, Rotterdam, The Netherlands. October, 1999.

Wells, Louise L. and W. E. Kastenberg. Incorporating Institutional Influences in Environmental Decision Making. *Proceedings of Probabilistic Safety Assessment and Management 4*, New York, New York. September, 1998.

RESEARCH GRANTS

“Preparing for a Changing Climate,” Pacific Gas and Electric Company, The Nature Conservancy, The Next Ten Foundation. 2007-2008.

“Reconciling California’s Transportation and Environmental Goals,” California Wellness Foundation. 2008-2009.