

Loren Lutzenhiser

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Education

University of Montana	Missoula, MT	Sociology	BA, MA
University of California	Davis, CA	Sociology	PhD

Appointments

2018-present	Portland State University	Emeritus Professor of Urban Studies & Planning
2002-2017	Portland State University	Associate/Full Professor of Urban Studies & Planning
1989-2002	Washington State University	Assistant/Associate Professor of Sociology
1989-2002	Washington State University	Assistant/Associate Scientist, Dept. of Rural Sociology
1984-1989	University of California, Davis	Instructor and Lecturer in Sociology

Professional Activities

- Associate editor of *Energy Efficiency* and member of the editorial boards of *Energy Research and Social Science*, *Social Problems*, *Contemporary Sociology*, and the *International Journal of Energy Technology and Policy*.
- Principal Investigator for multiple multidisciplinary research projects funded by the California Energy Commission, U.S. Department of Energy, Lawrence Berkeley National Laboratory, Pacific Northwest National Laboratory, U.S. Environmental Protection Agency, and the National Science Foundation.
- Member of National Academy of Science/National Research Council study panels on: (1) Social and Behavioral Science Priorities for Environmental Decision Making, (2) America's Climate Choices: Limiting the Magnitude of Climate Change, and (3) Social Science Contributions to Climate Policy and Research. All involved multidisciplinary collaboration, knowledge integration, and public communication of scientific conclusions and uncertainties in accessible terms.
- Designed and delivered graduate-level courses on the Sociology of Technology, Energy and Society, Social Science Research Design and Methodology, Qualitative Analysis, Community Sociology, and Complex Organizations. At the undergraduate level, courses on Community and the Built Environment, Society and Technology, Research Methods, Poverty and Social Welfare Policy.
- Contributed to a wide range of institutional and social initiatives intended to improve human conditions and outcomes, including the Portland State University (PSU) Center for Sustainable

Solutions, Green Buildings Research Laboratory, Graduate Certificate in Energy Policy and Management, the annual international Behavior Energy and Climate Change (BECC) Conference, chair of the Environment and Technology Section of the American Sociological Association, and contributor to civic organizations and government agencies. Hundreds of presentations, including scientific papers at academic meetings, briefings to policy audiences and government commissions, testimony at legislative hearings and in regulatory proceedings, keynote and plenary addresses, organizing and moderating workshop sessions and conference panels, editing conference proceedings, publishing articles for general audiences, interviews with journalists, and reviewing scientific papers for a wide range of social science, environmental and technology journals.

Publications

Selected from over 100 journal articles, edited collections, books, conference proceedings, and research reports. Categorized by topic:

- (1) Social Theory**
- (2) Studies of Energy-Using Technologies and their Users**
- (3) Studies of Social Structure, Technology, Energy and Environment**
- (4) Policy, Programs and Planning**
- (5) Defining Multidisciplinary Climate Research Agendas**

(1) Social Theory

Loren Lutzenhiser. 1993. "Social and Behavioral Aspects of Energy Use." *Annual Review of Energy and the Environment*. 18:247-89.

Loren Lutzenhiser. 1992. "A Cultural Model of Household Energy Consumption." *Energy-The International Journal*. 17:47-60.

Elizabeth Shove, Loren Lutzenhiser and Heather Chappells (eds.). 2009. *Comfort in a Lower Carbon Society*. London: Routledge.

Loren Lutzenhiser, Craig Harris and Marvin Olsen. 2001. "Energy, Society and Environment." pp. 222-271 in Riley Dunlap and William Michaelson, eds. *Handbook of Environmental Sociology*. Westport, CT: Greenwood Press.

Loren Lutzenhiser and Scott Sawyer. 2005. "Ecology and Economy" pp. 161-164 in Milan Zafirovski and Jens Beckert, eds. *International Encyclopedia of Economic Sociology*. London: Routledge.

Loren Lutzenhiser. 2002. "Environmental Sociology: The Very Idea." *Organization and Environment*. 15:5-9.

Loren Lutzenhiser. 2002. "Greening the Economy from the Bottom-Up? Lessons in Consumption from the Energy Case." pp. 345-356 in Nicole W. Biggart, ed. *Readings in Economic Sociology*. Oxford: Blackwell.

Harold Wilhite and Loren Lutzenhiser. 1999. "Social Loading and Sustainable Consumption." *Advances in Consumer Research*. 26:281-287.

Bruce Hackett and Loren Lutzenhiser. 1998. "The Unity of Self and Object." *Western Folklore*. 4:317-324.

Elizabeth Shove, Loren Lutzenhiser, Simon Guy, Bruce Hackett, and Harold Wilhite. 1998. "Energy and Social Systems." pp. 201-234 in Steve Rayner and Elizabeth Malone, eds. *Human Choice and Climate Change*. Columbus, OH: Battelle Press.

Loren Lutzenhiser. 1994. "Sociology, Energy and Interdisciplinary Environmental Science." *The American Sociologist*. 25:57-78.

Loren Lutzenhiser and Bruce Hackett. 1986. "Issues in the Study of Residential Energy Use: Ethnographic Methods & Models of Behavior." *Proceedings, American Council for an Energy Efficient Economy*. Washington, DC: ACEEE Press 7:105-118.

(2) Studies of Energy-Using Technologies and their Users

Mithra Moezzi, Harold Wilhite, Loren Lutzenhiser and Françoise Bartiaux (forthcoming). 2022. "Solar water heating: informing decarbonization policy by listening to the users." in *Consumption, Sustainability and Everyday Life*. Arve Hansen and Kenneth Bo Nielsen (eds). Palgrave.

Aaron Ingle, Mithra Moezzi, Loren Lutzenhiser, Zac Hathaway, Susan Lutzenhiser, Joe Van Clock, Jane Peters, Rebecca Smith, David Heslam, and Rick Diamond. 2012. *Behavioral Perspectives on Home Energy Audits: The Role of Auditors, Labels, Reports, and Audit Tools on Homeowner Decision-Making*. Report to Lawrence Berkeley Laboratory/U.S. Department of Energy by Portland State University, Research Into Action and Earth Advantage Institute.

Loren Lutzenhiser, Nicole Biggart, Richard Kunkle and Tom Beamish. 2001. *Market Structure and Energy Efficiency—The Case of New Commercial Buildings*. Washington State University & University of California, Davis. Report to California Institute for Energy and Environment, Berkeley, CA.

Loren Lutzenhiser. 1994. "Innovation and Organizational Networks: Barriers to Energy Efficiency in the U.S. Housing Industry." *Energy Policy*. 22:657-665.

Loren Lutzenhiser, Bruce Hackett, David Hall and David Hungerford. 1994. *Alternative Cooling Technologies for California: Social Barriers, Opportunities & Design Issues*. Berkeley, CA: University of California Energy Research Group (UER-289).

Bruce Hackett and Loren Lutzenhiser. 1993. "Alternatives to Compressor Cooling in California Transition Climates: Cultural, Sociological, and Institutional Issue." *Proceedings, California Institute for Energy Efficiency, Annual Conference*. 53-54.

Haruyuki Fujii and Loren Lutzenhiser. 1992. "Japanese Residential Air Conditioning Technology: Natural Cooling and Intelligent System." *Energy and Buildings*. 18:221-234.

Loren Lutzenhiser. 1992 "A Question of Control: Alternative Patterns of Air Conditioner Use." *Energy and Buildings*. 18:193-200.

Willett Kempton and Loren Lutzenhiser (eds.). 1992. *Air Conditioning—The Interplay of Technology, Culture and Comfort*. Special Issue of *Energy and Buildings*. vol. 8, nos. 3-4.

(3) Studies of Social Structure, Technology, Energy and Environment

Loren Lutzenhiser, Huafen Hu, Mithra Moezzi, Anthony Levenda and James Woods. 2012. "Lifestyles, Buildings and Technologies: What Matters Most?" *Proceedings, American Council for an Energy Efficient Economy*. Washington, DC: ACEEE Press 2:256-270.

Loren Lutzenhiser and Susan Lutzenhiser. 2006. "Looking at Lifestyle: The Impacts of American Ways of Life on Energy/Resource Demands and Pollution Patterns." *Proceedings, American Council for an Energy Efficient Economy*. Washington, DC: ACEEE Press 7:163-176.

Loren Lutzenhiser, Marcia Gossard and Sylvia Bender. 2002. "Crisis in Paradise: Understanding the Household Conservation Response to California's 2001 Energy Crisis." *Proceedings, American Council for an Energy Efficient Economy*. Washington, DC: ACEEE Press 8:153-8.166.

Loren Lutzenhiser and Maria Gossard. 2000. "Lifestyle, Status and Energy Consumption." *Proceedings, American Council for an Energy Efficient Economy*. Washington, DC: ACEEE Press 8:207-222

Loren Lutzenhiser. 1997. "Social Structure, Culture and Technology: Modeling the Driving Forces of Household Consumption." pp. 77-91 in Paul C. Stern, Thomas Dietz, Vernon W. Ruttan, Robert H. Socolow, and James Sweeney, eds. *Environmentally Significant Consumption: Research Directions*. Washington, DC: National Academy Press.

Lorie Higgins and Loren Lutzenhiser. 1995. "Ceremonial Equity: Low Income Energy Assistance and the Failure of Socio-Environmental Policy." *Social Problems*. 42:468-492.

Loren Lutzenhiser and Bruce Hackett. 1993. "Social Stratification and Environmental Degradation: Understanding Household CO2 Production." *Social Problems*. 40:50-73.

Bruce Hackett and Loren Lutzenhiser. 1991. "Social Structures and Economic Conduct: Interpreting Variations in Household Energy Consumption." *Sociological Forum*. 6:449-470.

Loren Lutzenhiser and Bruce Hackett. 1990. "Social Stratification and Appliance Saturation." *Proceedings, American Council for an Energy Efficient Economy*. Washington, DC: ACEEE Press 2:61-68.

Loren Lutzenhiser and Bruce Hackett. 1987. *Social Patterns in Household Energy Consumption: An Analysis of the Response to a Conversion from Master to Individual Metering of Electricity and Natural Gas in Two Davis, California Apartment Complexes*. Research Report to the Pacific Gas and Electric Company, San Francisco, CA. Davis, CA: University of California.

Bruce Hackett and Loren Lutzenhiser. 1986. "Energy Billing, Cultural Variation and Residential Energy Consumption." *Proceedings, American Council for an Energy Efficient Economy*. Washington, DC: ACEEE Press 7:91-104.

(4) Policy, Programs and Planning

Loren Lutzenhiser. 2014. "Through the Energy Efficiency Looking Glass." *Energy Research and Social Science*. 1:141-151.

Loren Lutzenhiser, Mithra Moezzi, Aaron Ingle, and James Woods. 2017. *Advanced Residential Energy and Behavior Analysis (AREBA) Project: Final Report*. Sacramento, CA: California Energy Commission.

Paul Stern, Kathryn Janda, Marilyn Brown, Linda Steg, Ed Vine, and Loren Lutzenhiser. 2016. “Opportunities and Insights for Reducing Fossil Fuel Consumption by Households and Organizations.” *Nature Energy*. 1:16043.

Harold Wilhite, Elizabeth Shove, Loren Lutzenhiser and Willett Kempton. 2001. “The Legacy of Twenty Years of Energy Demand Management: We Know More About Individual Behavior but Next to Nothing About Demand.” pp. 109-126 in Ebarhard Jochem, Jayant Sathaye and Daniel Bouille, eds. *Society, Behaviour and Climate Change Mitigation*. Dordrecht: Kluwer Academic Publishers.

Loren Lutzenhiser. 2001. “The Contours of U.S. Climate Non-Policy.” *Society and Natural Resources*. 14:511-523.

Carl Blumstein, Seymour Goldstone and Loren Lutzenhiser. 2000. “A Theory-Based Approach to Market Transformation.” *Energy Policy*. 28:137-144.

Loren Lutzenhiser and Elizabeth Shove. 1999. “Coordinated Contractors and Contracting Knowledge: The Organizational Limits to Interdisciplinary Energy Efficiency Research and Development in the U.S. and U.K.” *Energy Policy*. 27:217-227.

Mithra Moezzi, Loren Lutzenhiser, and James Woods. 2009. *Behavioral Assumptions in Energy Efficiency Potential Studies*. White paper prepared for the California Institute for Energy and Environment and the California Public Utilities Commission. Berkeley: CIEE.

Loren Lutzenhiser, Laura Cesafsky, Heather Chappells, Marcia Gossard, Dulane Moran, Jane Peters, Mersiha Spahic, Paul Stern, Elizabeth Simmons, and Harold Wilhite. 2009. *Behavioral Assumptions Underlying California Residential Sector Energy Efficiency Programs*. Report to the California Institute for Energy and Environment and the California Public Utilities Commission. Berkeley: CIEE.

(5) Defining Multidisciplinary Climate Research Agendas

Mithra Moezzi, and Loren Lutzenhiser. 2020. “Beyond energy behaviour: A broader way to see people for climate change technology planning.” pp. 89-108 in M. Lopes, C. H. Antunes, and K. Janda, eds. *Energy and Behaviour: Towards a Low Carbon Future*. London: Academic Press/Elsevier.

National Research Council. 2010. *America’s Climate Choices: Limiting the Magnitude of Climate Change*. Washington, DC: National Academies Press.

Benjamin Sovacool, Sarah Ryan, Paul Stern, Kathryn Janda, Gene Rochlin, Daniel Spreng, Martin Pasqualetti, Harold Wilhite, and Loren Lutzenhiser. 2015. “Integrating Social Science in Energy Research.” *Energy Research and Social Science*. 6:95-99.

National Research Council. 2005. *Decision Making for the Environment: Social and Behavioral Science Research Priorities*. Washington, DC: National Academies Press.

Elizabeth Malone, Michele Betsill, Sara Hughes, Rene Kemp, Loren Lutzenhiser, Mithra Moezzi, Benjamin L. Preston, and Tristram O. West. 2018. “Social Science Perspectives on Carbon.” pp. 264-302 in *Second State of the Carbon Cycle Report (SOCCR2): A Sustained Assessment Report*. Washington, DC: U.S. Global Change Research Program. <https://doi.org/10.7930/SOCCR2.2018.Ch6>.

Mithra Moezzi, Loren Lutzenhiser, Aaron Ingle, and Harold Wilhite. 2018. “Sixteen Ways Energy Efficiency Researchers See People + Why it Matters for Climate Change.” *Report for California’s Fourth Climate Change Assessment*. Sacramento, CA: California Energy Commission.