

Department of Agricultural Economics and Agricultural Business

New Mexico State University
Gerald Thomas Hall #382
940 College St., MSC 3169, Box 30003
Las Cruces, NM 88003-8003
575-646-2674; bhurd@nmsu.edu

WORK HISTORY

- 2007-Present Associate Professor, Department of Agricultural Economics and Agricultural Business, New Mexico State University, Las Cruces, NM
- 2001-2007 Assistant Professor, Department of Agricultural Economics and Agricultural Business, New Mexico State University, Las Cruces, NM
- 1993-2001 Senior Associate, Stratus Consulting Inc. (formerly RCG Hagler Bailly), Boulder, CO
- 1992 Visiting Lecturer, Department of Agricultural Economics, University of New England, Armidale, New South Wales, Australia
- 1990-1992 Post-Graduate Research Agricultural Economist, Department of Agricultural Economics, University of California, Davis, CA
- 1986-1990 Teaching Assistant and Research Assistant, Department of Agricultural Economics, University of California, Davis, CA
- 1985-1986 Resource Economist, Energy and Resource Consultants, Inc., Boulder, CO
Research Associate, Center for Economic Analysis, University of Colorado, Boulder, CO

EDUCATION

- Ph.D. 1992 University of California, Davis, Agricultural Economics
Dissertation: *An Economic Evaluation of Integrated Pest Management and Pesticide Use in San Joaquin Valley Cotton.*
- M.S. 1990 University of California, Davis, Agricultural Economics
- B.A. 1985 University of Colorado, Boulder, Economics; Environmental Conservation
(*Magna cum laude, Phi Beta Kappa*)

AFFILIATIONS

- Board of Directors Universities Council on Water Resources (UCOWR)
Member American Water Resources Association, American Agricultural Economics Association, Western Agricultural Economics Association, Association of Environmental and Resource Economists

RESEARCH AREAS

Watershed planning, modeling, and institutions
Water resource economics and the value of water
Climate change impacts on water and agricultural resources
Water conservation incentives and technological change

PUBLICATIONS**Journals: Peer-Reviewed**

St. Hilaire, R., M. A. Arnold, D. A. Devitt, B. H. Hurd, B. J. Lesiker, V. I. Lohr, C. A. Martin, G. V. McDonald, R. L. Morris, D. R. Pittenger, D. A. Shaw, D. C. Wilkerson, and D. F. Zoldoske. Forthcoming, 2008. "Efficient Water Use in Urban Landscapes," *Horticulture Technology*.

Hurd and Coonrod, 2008. "Climate Change Risks New Mexico's Waterways: Its Byways and Its Flyways". *Water Resources Impact*, 10(4), pp 5-11.

Hurd, B. 2008. "Challenges of Adapting to a Changing Climate." *UCLA Journal of Environmental Policy*, 26, 77-92.

Alimova, N., Lillywhite, J., B.H. Hurd, E. Hadjigeorgalis. 2008. "High Desert Wine: A Discrete Choice Analysis of Consumer Preferences for New Mexican Wine," *Journal of Food Products Marketing*, 14(1), pp. 1-10.

Hurd, B.H. "Water Conservation and Residential Landscapes: Household Preferences, Household Choices," 2006. *Journal of Agricultural and Resource Economics*, Vol. 31, No. 2, pp. 173-192.

Hurd, B.H., C. Brown, J. Greenlee, A. Granados, and M. Hendrie, 2006. "Assessing Water Resource Vulnerability for Arid Watersheds: GIS-based Research in the Paso del Norte Region." *New Mexico Journal of Science*, Vol. 44 (Aug), pp. 39-61.

Granados-Olivas, A., C. Brown, J. Greenlee, B. Creel, J. Hawley, J. Kennedy, O. Dena-Ornelas, and B. Hurd. 2006. "Geographic Information Systems At the Paso Del Norte Region: The Academic Accomplishments and Challenges for a Transboundary Water GIS Cooperation," *New Mexico Journal of Science*, Vol. 44 (Aug), pp. 59-70.

Hurd, B.H., R. St-Hilaire, and J. White. 2006. "Residential Landscapes, Homeowner Attitudes and Water-Wise Choices in New Mexico," *HortTechnology*, 16(2):241-246.

Ward, F.A., B.H. Hurd, T. Rahmani, and N. Gollehon. 2006. "Economic impacts of federal policy responses to drought in the Rio Grande Basin," *Water Resources Research*, VOL. 42, W03420, doi:10.1029/2005WR004427, pp. 1-13.

Hurd, B.H. and J.M. Callaway with J.B. Smith and P.Kirshen. 2004. "Climatic Change and U.S. Water Resources: From Modeled Watershed Impacts to National Estimates," *Journal of the American Water Resources Association*. 40(1): 129-148.

Hurd, B., 2002. "Valuing Superfund Site Cleanup: Evidence of Recovering Stigmatized Property Values," *The Appraisal Journal*, 70(4):426-437.

Hurd, B.H., N. Leary, R. Jones, and J.B. Smith. 1999. "Relative Regional Vulnerability of Water Resources to Climate Change." *Journal of the American Water Resources Association*, December, 35(6): 1399-1410.

Article republished in:

(1) *Water Resources Journal*, March 2000, n. 204, pp. 17-28.

(2) As Chapter 12 in *Water Resources and Climate Change*, Ken Frederick (ed.), 2002, Edward Elgar Publishing, pp. 209-219.

Adams, R.M. and B.H. Hurd. 1999. "Climate Change and Agriculture: Some Regional Implications," *Choices*, American Agricultural Economics Association, Spring, pp. 22-23.

Adams, R.M., B.H. Hurd, S. Lenhart, and N. Leary. 1998. "Effects of Global Climate Change on Agriculture: An Interpretive Review." *Climate Research*, December, 11:19-30.

Raucher, R.S., J. Schramm, and B.H. Hurd. 1997. "Case Studies Using Economic and Institutional Analysis in Urban Environmental Management," *Hanyang Journal of Economic Studies*, November 18(2):199-228.

Hurd, B.H. 1994. "Yield Response and Production Risk: An Analysis of Integrated Pest Management in Cotton," *Journal of Agricultural and Resource Economics*, December 19(2):313-26.

Alston, J. and B.H. Hurd. 1992. "Some Neglected Social Costs of Government Spending in Farm Programs," *American Journal of Agricultural Economics* 72 (1):149-56.

McClelland, G., W.D. Schulze, and B.H. Hurd. 1990. "The Effect of Risk Beliefs on Property Values: A Case Study of a Hazardous Waste Site," *Risk Analysis* 10 (4):485-497.

Published Reports: Peer-Reviewed

Hurd, B.H. and J. Coonrod. 2008. *Climate Change and Its Implications for New Mexico's Water Resources and Economic Opportunities*, New Mexico State University, Agricultural Experiment Station, Technical Report 45, Las Cruces, NM. 28 p.

Hurd, Brian H., L. Allen Torell, and Kirk C. McDaniel. 2007. *Ranch and Rangeland Management: Perspectives of the Rangeland Economy and its Relationship to Weather Information*, Research Report #759, Agricultural Experiment Station, New Mexico State University.

Hurd, B.H. and J. Smith. 2005. *Landscape Attitudes and Choices: A Survey of New Mexico Homeowners*. Water Task Force Report 5, College of Agriculture and Home Economics, New Mexico State University, Las Cruces, NM. 60 p.

Malone, Elizabeth L. Joel B. Smith, Antoinette. L. Brenkert, Brian H. Hurd, Richard H. Moss, and Daniel Bouille. 2004. *Developing Socioeconomic Scenarios: For Use in Vulnerability and Adaptation Assessments*. United Nations Development Program (UNDP), Global Environment Facility, New York. 48 p.

Easterling, W.J., B.H. Hurd, and J.B. Smith. 2004. *Coping With Climatic Change: The Role of Adaptation in the United States*, Pew Center on Global Climate Change, Arlington, VA. 40 p.

Jorgenson, D. Goettle, R., B.H. Hurd, J. Smith, L. Chestnut, D. Mills. 2004. *Market Consequences and Climate Change: A U.S. Perspective*, Pew Center on Global Climate Change, Arlington, VA. 67 p.

Adams, R.M., B.H. Hurd, and J. Reilly. 1999. *Agriculture and Global Climate Change: A Review of Impacts to U.S. Agricultural Resources*. Pew Center on Global Climate Change, Arlington, VA. 36 p.

Book Chapters

Smith, J.B., J. Lazo, and B.H. Hurd. 2003. "The Difficulties of Estimating Global Non-Market Damages From Climate Change," Chapter 6 in *Global Climate Change: The Science, Economics, and Politics*, ed. James Griffin, Edward Elgar Publishing, pp: 114-139.

Loomis, J.B., J. Koteen, B.H. Hurd. 2003. "Water Resource Effects of Climate Change," in *Water and Climate: Climate Variability and Water Resources in the Interior West*, William Lewis Jr. (ed.), University of Colorado Press, Boulder, CO, pp. 235-249.

Adams, R.M. and B.H. Hurd. 2002. "Climate Change and Agriculture," in *Natural Resource System Challenge: Climate Change, Human Systems and Policy* edited by: Antoaneta Yotova, in *Encyclopedia of Life Support Systems (EOLSS)*, Developed under the auspices of the UNESCO, Eolss Publishers, Oxford, UK, [<http://www.eolss.net>].

McCarl, B.A., R.M. Adams, and B.H. Hurd. 2001. "Global Climate Change and Its Impact on Agriculture," eds. Chang and Hsu, in *Encyclopedia of Life Support Systems (EOLSS)*, Developed under the auspices of the UNESCO, Eolss Publishers, Oxford, UK, [<http://www.eolss.net>].

Adams, R.M., B.H. Hurd, and J. Reilly. 2001. "Impacts on the U.S. Agricultural Sector," in *Climate Change: Science, Strategies, and Solutions*, Eileen Claussen, Vicki Arroyo Cochran, Debra Davis, (eds.), Pew Center on Global Climate Change, Arlington, VA, pp. 25-42.

Hurd, B.H. and M. Harrod. 2001. "Water Resources: Economic Analysis," in *Global Warming and the American Economy: a Regional Assessment of Climate Change Impacts*, Robert Mendelsohn (ed.), Edward Elgar Publishing, pp. 106-131.

Hurd, B.H., J.M. Callaway, J.B. Smith, and P. Kirshen. 1999. "Economic Effects of Climate Change on U.S. Water Resources," in *The Impact of Climate Change on the United States Economy*, Robert Mendelsohn and James E. Neumann (eds.), Cambridge University Press, Cambridge, pp. 133-177.

Chapter also reprinted in:

Water Resources and Climate Change, Chapter 17, Ken Frederick (ed.), 2002, Edward Elgar Publishing, pp. 303-347.

Hurd, B.H. and R. Howitt. 1990. "California Agriculture in Transition: Technological Response to Environmental Regulation," in *Economic Perspectives on Pesticide Use in California*, David Zilberman and Jerome Siebert (eds.), University of California, Berkeley, CA, pp. 62-77.

Published Conference Proceedings

Hurd, B. and P. Ghosh. 2008. "Valuing Groundwater Resources in Arid Watersheds under Climate Change: A Framework and Estimates for the Upper Rio Grande," Proceedings of the Western Agricultural Economics Association Annual Meeting, Big Sky, MT, June.

Torell, L.A., K.C. McDaniel, B.H. Hurd, and S. Cox. 2008. "Using Soil Moisture to Estimate the Economic Value of Rainfall Events for Range Forage Production." 2008 Society for Range Management Meetings, Louisville, KY, January 30. Abstr. No. 1790.

Hurd, B.H. and J. Coonrod. 2007. "Climate Change and Its Implications for New Mexico's Water Resources and Economic Opportunities," New Mexico Water Resources Research Institute, 52nd Annual New Mexico Water Conference, p. 33.

Rango, A., E. Vivoni, D. Gutzler, B. Hurd, and S. Bestelmeyer. 2007. "Future Climate Change Impacts on New Mexico's Mountain Sources of Water," New Mexico Water Resources Research Institute, 52nd Annual New Mexico Water Conference, p. 11.

Brown, C.B., A. Granados, J. Greenlee, M. Hendrie, and B. Hurd. 2004. "Vulnerability of Borderland Water Resources: Developing Indicators for Selected Watersheds on the U.S. Mexico Border – The Paso del Norte Region," Annual Meeting of the Universities Council on Water Resources (UCOWR), Portland, Oregon, 20-24 July 2004.

B.H. Hurd, J.A. Diemer and R.C. Alvarez. 2003. "Enhancing the Nation's Response to Public Water Supply Catastrophes," Proceedings of the conference *Water Security in the 21st Century*, jointly sponsored by the Universities Council on Water Resources (UCOWR), National Institute of Water Resources (NIWR), and Environmental and Water Resource Institute (EWRI), Washington D.C. July 30-August 1, 2003.

Hurd, B.H., Frank A. Ward, and Leeann DeMouche. 2002. "Some Perspectives on the Economics of Surface- and Ground-Water Adjudication," in *Ground Water/Surface Water Interactions*. AWRA 2002 Summer Specialty Conference Proceedings, Kenny, Jerry F. (ed.), American Water Resources Association, Middleburg, VA, TPS-02-2, pp: 91-96.

Booker, J.F., B.H. Hurd, J.M. Callaway, and J.B. Smith. 1997. "Basin Modeling to Estimate Economic Impacts of Climate Change," *American Water Resources Association Annual Proceedings*. June.

Hurd, B.H., P. Kirshen, and J.M. Callaway. 1996. "Modeling Climate Change Impacts on Water Resources," *North American Water and Environment Congress '96, Proceedings*. American Society of Civil Engineers. June.

Archibald, S., B.H. Hurd, and R. Marsh. 1988. "Perspectives of Chemical Manufacturers," in *Regulating Chemicals: A Public Policy Quandary. Report of the 1987-88 Study Group on Chemicals in the Human Food Chain: Sources, Options and Public Policy*. University of California Agricultural Issues Center. 174p.

Dowling, N., S. Archibald, B.H. Hurd, and A. Fan. 1988. "Perspectives of the Risk Assessment Community," in *Regulating Chemicals: A Public Policy Quandary. Report of the 1987-88 Study Group on Chemicals in the Human Food Chain: Sources, Options, and Public Policy*. University of California Agricultural Issues Center. 174p.

TECHNICAL REPORTS

Hurd, Brian H., L. Allen Torell, and Kirk C. McDaniel. 2007. *Ranch and Rangeland Management: Perspectives of the Rangeland Economy and its Relationship to Weather Information*, Report to the National Oceanic and Atmospheric Associate (NOAA), June 5, 2007.

Torell, L. Allen, Kirk C. McDaniel, and Brian H. Hurd. 2007. *Exploratory Case Study on the Value of Improving Soil Moisture Forecast Information for Rangeland Management*, Report to the National Oceanic and Atmospheric Associate (NOAA), June 5, 2007.

Ward, F.A., B.H. Hurd, and T. Rahmani. 2004. *Effects of Water Supply Adjustments on Farm Returns and Resource Use: Findings from the Rio Grande Basin in Designing Federal Insurance Programs*, Report to the USDA, Economic Research Service under Cooperative Agreement 43-3AEL-2-80125, December 2004.

Raucher, R.S., J. Goldstein, A. Huber-Lee, W. DeOreo, P. Mayer, B.H. Hurd, R. Linsky, E. Means, M. Renwick. 2004. *The Value of Water: Concepts, Measures, and Empirical Evidence, And Their Application to Water Management Decisions*, American Water Works Association Research Foundation, Report for project #2855. June 4, 2004.

Malone, E., A. Brenkert, B.H. Hurd, J.B. Smith, and R. Moss. 2001. *Developing Socioeconomic Scenarios: For Use in Vulnerability and Adaptation Assessments*. National Communications Support Programme, Global Environment Facility, May 18, 2001.

Repetto, R. and B.H. Hurd. 2001. *Climate Protection Policy with a Distorted Tax Structure* Prepared under U.S. EPA Contract #68-W6-0055, Office of Atmospheric Programs, May 10, 2001.

Hurd, B.H., B. Raucher, E. Strange, and M. Hagenstad. 2000. *Measuring the Economic Benefits of Reduced Atmospheric Deposition of Nitrogen on U.S. Estuaries: Conceptualizing a Modeling Platform*, Prepared under U.S. EPA Contract #68-W6-0055, Office of Air Quality Planning. May 26, 2000.

Hurd, B.H., M. Harrod, and T. Ottem. 2000. *An Annotated Summary of Climate Change Related Resources*, Prepared under U.S. EPA Contract #68-W6-0055, Office of Economy and Environment. EPA 236-B-00-001. Washington D.C.

Hurd, B.H., J.B. Smith, R. Jones, and K. Spiecker. 1999. *Water and Climate Change: A National Assessment of Regional Vulnerability*. Prepared under U.S. EPA Contract #68-W6-0055, Office and Economy and Environment. Final. May.

Hurd, B.H., K. Spiecker, and S. Lenhart. 1997. *Possible Changes in Downstream Uses of the Pigeon River as a Result of Water Quality Improvement*. Prepared under U.S. EPA Contract #68-C4-0060, Office of Water. May.

Hurd, B.H., B. Raucher, G. Pitts, T. Ottem, R. Bishop, M. Hannemann, and D. Burmaster. 1997. *Analysis of Uncertain Regulatory Benefits and Costs: Assessing the Conceptual and Empirical Issues*. Prepared under U.S. EPA Contract #68-W6-0055, Office of Economy and Environment. August.

Hurd, B.H., S. Lenhart, and S. Ragland. 1997. *Impacts of Global Climate Change on World Agriculture*. Prepared under U.S. EPA Contract #68-W6-0055, Office of Economy and Environment. August.

Raucher, R., B.H. Hurd, and J. Bakkes. 1996. *The Water Use Life Cycle in Jeddah: Toward a Full Social Cost Accounting*. Developed for The World Bank in cooperation with the Meteorology and Environmental Protection Administration (MEPA) of the Kingdom of Saudi Arabia. July.

Hurd, B.H., J.M. Callaway, P. Kirshen, and J.B. Smith. 1996. *Economic Effects of Climate Change on U.S. Water Resources*. Prepared for the Electric Power Research Institute. June.

Hurd, B.H., J.M. Callaway, B.A. McCarl, and D. Adams. 1996. *A Comparative Analysis of Two Models of the U.S. Forest Sector: TAMM/ATLAS and FASOM*. Prepared for ICF, Inc. and U.S. EPA, Office of Policy Analysis. May.

Hurd, B.H. and J.M. Callaway. 1996. *Economic Impacts of Climate Change on U.S. Agriculture and Forestry: Draft Project Research Plan*. Prepared for U.S. EPA, Office of Policy, Planning, and Evaluation, and ICF Inc., February.

Hurd, B.H., J.M. Callaway, G. Pitts, and B.A. McCarl. 1995. *Analysis of Impacts of Simulated Farm Program and Biofuel Scenarios on the Forest and Agricultural Sectors, Using the Forest and Agricultural Sector Model* (Dec. 1995) and *Analysis of Simulated Farm Program Impacts Using the Agricultural Sector Portion of the Forest and Agricultural Sector Model* (March 1996). With Mac Callaway and Bruce McCarl, prepared for ICF, Inc. and U.S. EPA, Office of Policy Analysis. December.

Schulze, W.D., G. McClelland, M. Doane, E. Balistreri, R. Boyce, B.H. Hurd, and R. Simenauer. 1995. *An Evaluation of Public Preferences for Superfund Site Cleanup: A Preliminary Assessment*. Prepared for the U.S. EPA under Cooperative Agreement #CR-21980. March.

Smith, J.B., S. Ragland, B.H. Hurd, D. Doyle, and S. Lenhart. 1995. *Estimated Cost Savings from Land Use Designations at Office of Environmental Management Sites*. Prepared for U.S. Department of Energy, Office of Environmental Management, Office of Policy. September.

Chestnut, L., B.H. Hurd, and C. Lang. 1993. *The Health Effects and Health Costs in Melbourne Due to Motor Vehicle-Sourced Ozone and Air Toxics*. RCG/Hagler Bailly report prepared for the Environmental Protection Authority (Victoria), Melbourne, Victoria, Australia. October.

Rutherford, T. and B.H. Hurd. 1993. *Load Shifting and Carbon Emissions in the U.S. Electric Industry*. Prepared for U.S. EPA Office of Policy Assessment under Cooperative Agreement #CR-815183. July.

Johnston, W. and B.H. Hurd. 1987. "Ecological Problems Associated with Agricultural Development: Some Examples from the United States." Prepared for a conference on Ecological Research and Environmental Protection, Krakow, Poland. October.

McClelland, G., W. Schulze, D. Coursey, J. Irwin, B.H. Hurd, and R. Boyce. 1987. *Risk Communication for Superfund Sites: An Analysis of Problems and Objectives*. Prepared for U.S. EPA, cooperative agreement #CR812054-02, University of Colorado, Boulder.

Peterson, D., R. Rowe, W. Schulze, G. Russell, R. Boyce, B. Hurd, and S. Elliot. 1987. *Improving Accuracy and Reducing Costs of Environmental Benefit Assessments: Valuation of Visual Forest Damages from Ozone (draft)*. Prepared for U.S. EPA, Washington D.C. by Energy and Resource Consultants, Boulder, CO, and Center for Economic Analysis, University of Colorado, Boulder. U.S. EPA Cooperative Agreement #CR812054-02.

Rowe, R., W. Schulze, and B.H. Hurd. 1986. *A Survey of Colorado Residents' Attitudes about Cleaning Up Hazardous Waste Site Problems in Colorado*. Prepared for Colorado Attorney General by Energy and Resource Consultants Inc., Boulder, CO.

Rowe, R., W. Schulze, D. Orr, and B.H. Hurd. 1985. *Economic Assessment of Damage Related to the Eagle Mine Facility*. Prepared for the State of Colorado by Energy and Resource Consultants Inc., Boulder, CO.

Schulze, W., G. McClelland, B.H. Hurd, and J. Smith. 1985. "A Case Study of a Hazardous Waste Site: Perspectives from Economics and Psychology," In *Improving Accuracy and Reducing Costs of Environmental Benefit Assessments, Volume IV*. Prepared for U.S. EPA. Center of Economic Analysis, University of Colorado, Boulder, CO.

Hurd, B.H. 1985. "Funding a State Hazardous Waste Superfund." Honors Thesis, Department of Economics, University of Colorado, Boulder. April.

PRESENTATIONS

Climate Change and the Upper Rio Grande Watershed: Assessing Impacts and Developing Insights for Strategic Adaptations. Brian Hurd. Presented at the Far West Texas Climate Change Conference, Sponsored by the Texas Water Development Board, El Paso, TX, June 17, 2008.

An Overview of Climate Change Impacts on the Water and Economy of the Upper Rio Grande Watershed, Brian Hurd and Albert Rango. Presented at the Border-Area Climate Change Impacts & Water Sector Adaptation Workshop, Univ. of Arizona, Tucson, AZ, April 1-2, 2008.

Using Soil Moisture to Estimate the Economic Value of Rainfall Events for Range Forage Production. Torell, L. Allen, Kirk C. McDaniel, and Brian H. Hurd, presentation to the Society for Range Management and the American Forage and Grassland Council, January 26 - 31, 2008.

Adaptation Challenges in the Southwest under Climate Change. Brian H. Hurd. Invited presentation to the Climate Change Adaptation Workshop for New Mexico Natural Resource Managers, sponsored by The Nature Conservancy (TNC), Climate Assessment for the Southwest (CLIMAS), and Institute for the Study of Planet Earth. Albuquerque, NM; October 22, 2007.

Climate Change and its Implications for New Mexico's Water Resources and Economic Opportunities. Brian H. Hurd and Julia Coonrod. Presentation at the American Water Resources Association (AWRA) Annual Meeting. Albuquerque, NM; November 12, 2007.

Water Rights: A New Mexico Perspective, Brian H. Hurd, Invited presentation to the Four State Water Forum, Oklahoma City, OK, March 29-30, 2007.

Challenges of Adapting to a Changing Climate, Brian H. Hurd, Invited presentation to the UCLA School of Law, Frankel Symposium, "Coping With Global Warming," Los Angeles, CA, March 2, 2007.

Challenges and Opportunities in Adapting to Climate Changes, Brian H. Hurd, invited presentation to the NM Governor's Drought Task Force, 4th Annual Drought Summit – 2006, "Climate Change: What Does It Mean For New Mexico?", Albuquerque, NM, October 18, 2006.

Investigating the Sensitivity of Agriculture to Salinity in the Lower Rio Grande of New Mexico, Kanagaraj Masanan and Brian H. Hurd, poster presented the University Research Conference, October 6, 2006.

Using GIS to Assess Water Resource Vulnerability on the Border, Janet Greenlee, Brian Hurd, Mark Heil, Christopher Brown, Nori Koehler, Alfredo Granados, poster presented the University Research Conference, October 6, 2006.

Wine Festival Consumers' Wine Preferences: A Discrete Choice Analysis, Alimova, Nasiba, Jay M. Lillywhite, and Brian H. Hurd, accepted for presentation at the 16th Annual World Food and Agribusiness Symposium. International Agribusiness Management Association Annual Conference, Buenos Aires, Argentina.

Climate Change and New Mexico's Water Resources, Brian H. Hurd, presented to the National Commission on Energy Policy/Hewlett Foundation, Washington D.C., May 9, 2006.

Attributes of Residential Landscape Choice: A Discrete-Choice Analysis, Brian H. Hurd, presented at the Symposium on Efficient Water Use in the Urban Landscape, Las Cruces New Mexico, February, 23-24, 2006.

CroPMan: A Crop Production Simulation Tool to Enhance Agricultural Sustainability, Brian H. Hurd and Jay Lillywhite, poster presented at the New Mexico Chile Conference, February, 7, 2006.

Considering Climate Changes for New Mexico and the Southwest, Brian H. Hurd, presented at the Third Annual Conference: Celebrating the Sacred in Food and Water Offices of Social Justice of the Archdiocese of Santa Fe and the Dioceses of Gallup and Las Cruces, Las Cruces, New Mexico, October 15, 2005. (Invited).

Valuing Water Resource Information: Hydropower and Other Water Services, Brian H. Hurd. Workshop on the Economics of Water Resource Information, National Oceanic and Atmospheric Administration (NOAA), Silver Spring, MD, August 2-3, 2005. (Invited).

The Use of GIS to Examine Vulnerability of Regional Water Resources in the US-México Border, Christopher Brown, Alfredo Granados, Janet Greenlee, and Brian H. Hurd, presented at Semana Internacional de Agronomía, Universidad Juarez del Estado de Durango, 7-9 September 2005.

An Analysis of Water Resource Vulnerability in the Paso del Norte Region of the Rio Grande Watershed, Christopher Brown, Alfredo Granados, Janet Greenlee, and Brian H. Hurd, International Conference on Environment and Human Health, Camino Real Hotel, El Paso, TX – 30 March 2005.

The Challenge of Adapting to Climate in a Changing World, Brian H. Hurd, presented at the annual meeting of the American Association for the Advancement of Science (AAAS), Washington D.C., Feb. 17-21, 2005.

Natural Resource Economics: Renewable Resources, Brian H. Hurd, Technical Short-course. Centro Internacional de Altos Estudios Agronomicos Mediterraneos (CIHEAM), Mediterranean Agronomic Institute of Zaragoza, Zaragoza, Spain. Jan. 24-Feb 5, 2005. (Invited).

Residential Water Conservation: Landscape Attitudes and Choices, Brian H. Hurd, Poster presented at the University Research Council Research and Creative Activities Fair, Las Cruces, NM, October 1, 2004.

Residential Water Conservation: Landscape Attitudes and Choices, Brian H. Hurd, presented at the Community Water Conference, "Water Conservation: Protecting Our Most Valued Treasure," Albuquerque, New Mexico, Aug. 31-Sept. 2, 2004.

Developing Indicators of Water Resource Vulnerability in the Paso del Norte Region, Christopher Brown, Alfredo Granados, Janet Greenlee, Marguerite Hendrie, and Brian H. Hurd, presented at the 2004 annual Conference of the Universities Council on Water Resources (UCOWR), Portland, Oregon, 20-22 July, 2004.

Coping With Climatic Change: The Role of Adaptation in the United States, William Easterling, Brian H. Hurd, and Joel B. Smith, press release conference organized by the Pew Center On Global Climate Change, Arlington, Virginia, April 28, 2004.

Market Consequences and Climate Change: A U.S. Perspective, Dale Jorgenson, Richard Goettle, Brian H. Hurd, press release conference organized by the Pew Center On Global Climate Change, Arlington, Virginia, June 15, 2004.

Who Owns Water? Water Rights in the Southwest States, Brian H. Hurd, presented at the Southern Region Water Quality Conference, Ruidoso, New Mexico, October 19-22, 2003

Enhancing the Nation's Response to Public Water Supply Catastrophes, Brian H. Hurd and Joel Diemer, presented at Water Security in the 21st Century, UCOWR/NIWR/EWRI Joint Annual Conference, Washington D.C. July 30-August 1, 2003.

Simulating the Distributed Economic Impacts of Climate Change in U.S. River Basins, John M. Callaway and Brian H. Hurd, presented at the conference on Framing Land Use Dynamics, Utrecht, University, The Netherlands, 15-18 April, 2003

Renewable Resources: Water and Land, a series of lectures presented at the short-course on Economics of Natural Resources at the Centro Internacional de Altos Estudios Agronomicos Mediterraneo (CIHEAM), Instituto Agronomico Mediterraneo de Zaragoza, Zaragoza, Spain, February 17-28, 2003.

Developing a Watershed Management Model of the Pecos River Basin: Framework and Issues, presented at the New Mexico Water Research Symposium, New Mexico Institute of Technology, Socorro, New Mexico, August 13, 2002

Some Perspectives on the Economics of Surface- and Ground-Water Adjudication, presented at the American Water Resources Association Summer Specialty Conference: Ground Water/Surface Water Interactions, Keystone, July 1-3, 2002.

Assessing Long-Term Climate Change Impacts: Coping With An Uncertain Water Future, presented at the American Society of Agricultural Engineers New Mexico Section Annual Meeting, Las Cruces, New Mexico, March 22, 2002.

Vulnerability and Economic Impacts of Climate Change on Mediterranean Water Resources: Lessons from U.S. presented to the Advanced Course on Climate Change in the Mediterranean Region: Socio-Economic Aspects and Impacts Studies at the Abdus Salam International Centre for Theoretical Physics, Trieste, Italy, November 12-16, 2001.

Quantification of Long-term Climate Change Impacts, D. Jorgenson, R. Goettle, B. Hurd, J. Smith, L. Chestnut, and D. Mills. Pew Center Workshop, The Timing of Climate Change Policies, Washington D.C., October 10-12, 2001.

Coping with an Uncertain Water Future: Identifying Vulnerabilities and Modeling Watershed Options, presented to the New Mexico State University, Department of Agricultural Economics and Agricultural Business, Las Cruces, June 7, 2001.

(1) Overview of the Need for Climate Change Adaptation and Assessment, (2) Guidance and Methods for Developing Climate Change Scenarios, and (3) Developing Baseline Scenarios for Assessing Changes in Agricultural Impacts, presented at the U.S. Agency for International Development West and Central Africa Regional Climate Change Workshop, Dakar, Senegal, July 25-27, 2000.

Pulling It Together: Modeling Sector Impacts of Climate Change for Use in Macroeconomic Models, presented at the Pew Center Workshop on the Environmental Impacts of Climate Change, Washington D.C., July 18-19, 2000.

(1) Methods Overview for Assessing Socioeconomic Impacts, (2) Developing Baseline Scenarios for Assessing Changes in Agricultural Impacts, and (3) Methods and Tools to Value Ecosystem Impacts, presented at the Workshop on Methods and Concept Assessment of Climate Change Vulnerability and Adaptation, for the Ministry of Environment and Land Use Planning, Gammarth, Tunisia, June 7-11, 1999.

A Regional Assessment and Database of Water Resource Vulnerability to Climate Change, presented at the American Water Resources Association (AWRA) Specialty Conference on Potential Consequences of Climate Variability and Change to Water Resources of the United States, Atlanta, GA, May 12, 1999.

Climate Change Impacts on U.S. Water Resources: Some Modeling Results, presented at the Water Resource Workshop for the Rocky Mountain/Great Basin Regional Climate Change Assessment, Santa Barbara, CA, February 23, 1999.

Water Resources: Assessing Regional Vulnerability to Changes in Climate and Variability, presented at the Stakeholder Workshop for the Regional Assessment of Climate Change Impacts on the Great Plains, Loveland, CO, December 1, 1998.

Climate Change Impacts on U.S. Water Resources: Some Modeling Results, presented at the Symposium on Climate Variability, Climate Change, and Water Resource Management, Colorado Springs, CO, October 27, 1997.

Environmental Economics in Brief, presented at the Meteorology and Environmental Protection Administration, Jeddah, Saudi Arabia, June 10-20, 1996.

CONSULTING ASSIGNMENTS

National Commission on Energy Policy

- Study on the economics effects of climate change on New Mexico's Water Resources 2006-2007.

National Oceanic and Atmospheric Association

- Study on the value of improved weather forecasts for rangeland management of livestock producers, 2006-2007.

American Water Works Association Research Foundation

- Value of water in agriculture and served as an expert on a Nation Water Resources Institute workshop on the Value of Water, 2003-2003.

United States Geological Survey

- Issues and concepts relating to water supply reliability in the California Bay-Delta program (2002)

U.S. Environmental Protection Agency

- Land Use Change, Forestry, and Agriculture Economic Modeling Forum (2001)
- The Economics of Alternative Revenue Recycling Options (2000-2001)
- Measurement of Economic and Environmental Benefits from Reduced Deposition of Airborne Nitrogen to Estuaries in the Eastern U.S. (1999-2000)
- Technical Support for Assessing Land Use, Land Use Change, and Forests under the Kyoto Protocol (1999-2000)
- Develop a Resource Guide of Climate Change Resources (1999)
- Develop Climate Change Discussion Series Summaries (1999)
- Water Pollution Control Costs: Effects of Global Climate Change in Selected Watersheds (1997-1999)
- Water and Climate Change: Regions of Vulnerability (1998-1999)
- State Fact Sheets on Climate Change Impacts (1998)
- Analysis of Uncertain Regulatory Benefits and Costs: Assessing the Conceptual and Empirical Issues (1997)
- Assessment of the Impacts of Global Climate Change on International Agriculture (1997)
- Economic Impacts of Climate Change on U.S. Agriculture and Forestry (1996)
- Impacts Analysis of Alternative Farm Bill and Biofuel Policies Using the Forest and Agricultural Sector Model (1996)
- Measuring Environmental Benefits: Assessing Public Preferences for Hazardous Waste Site Cleanup (1994-1995)
- Modeling the Effect of Alternative Electricity Pricing Structures on CO₂ Emissions (1993-1994)

U.S. Department of Energy

- Estimating the Cost Savings from Land Use Designations at Department of Energy Environmental Management Sites (1994)

National Science Foundation (NSF) and the National Institute for Global Environmental Change (NIGEC)

- Land Use and Climate Change Impacts on Carbon Fluxes (1997-1999)

Pew Center on Global Climate Change

- Development of Discussion Paper Series on Sector-Specific Impacts from Climate Change (1998-2003)

Electric Power Research Institute (EPRI)

- Regional Analysis of Climate Change Effects on U.S. Water Resources (2001)
- Analysis of Climate Change Effects on the Value of U.S. Water Resources (1996)

United Nations Development Programme (UNDP)

- Developing Socioeconomic Scenarios: For Use in Vulnerability and Adaptation Assessments (2001)

INTERNATIONAL ACTIVITIES*“Natural Resource Economics: Renewable Resources – Water”*

Short-course invited to conduct course to an audience of European, Middle Eastern, African, and South American students and professionals at the Centro Internacional de Altos Estudios Agronomicos Mediterraneos (CIHEAM), Mediterranean Agronomic Institute of Zaragoza, Zaragoza, Spain, Jan. 24-Feb 5, 2005. January 17-19, 2007. February 17-19, 2009.

Renewable Resources: Water and Land.

Short-course lecture series presented at the short-course on Economics of Natural Resources at the Centro Internacional de Altos Estudios Agronomicos Mediterraneos (CIHEAM), Instituto Agronomico Mediterraneo de Zaragoza, Zaragoza, Spain, February 17-28, 2003.

Vulnerability and Economic Impacts of Climate Change on Mediterranean Water Resources: Lessons from U.S.

Short-course for the Advanced Course on Climate Change in the Mediterranean Region: Socio-Economic Aspects and Impacts Studies at the Abdus Salam International Centre for Theoretical Physics, Trieste, Italy, November 12-16, 2001.

U.S. Agency for International Development and the U.S. Country Studies Program

Provided technical training, support, and training materials to representatives of West and Central African nations regarding climate change assessment methods, Dakar, Senegal, July 25-27, 2000.

U.S. Country Studies Program and Asian Development Bank

Organized and chaired a session on climate change impacts at the International Workshop on the Development of Climate Change Action Plans, Manila, Philippines December 7-10, 1999.

Stockholm Environment Institute and the Tunisian Ministry of Environment and Land Use Planning

Provided technical support to the Tunisian Ministry of Environment and Land Use Planning on the methods of climate change vulnerability assessment, Tunis, Tunisia, June 7-11, 1999.

World Bank and Meteorology and Environmental Protection Administration (MEPA) of the Kingdom of Saudi Arabia (MEPA)

Provided on-site assistance in applied environmental economics to MEPA, Jeddah, Saudi Arabia, June 10-20, 1996.

Department of Conservation and Natural Resources, Victoria, Australia

Assessed and estimated the health effects and health costs due to motor vehicle emissions in Melbourne (1993).