

**Mary Riddel**

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**Education**

Ph.D. Agricultural & Resource Economics, Dept. of Agricultural and Resource Economics,  
Colorado State University, Ft. Collins, CO.

MS Statistics, Dept. of Statistics, Colorado State University, Ft. Collins, CO.

MS Agricultural & Resource Economics, Dept. of Agricultural and Resource Economics,  
Colorado State University, Ft. Collins, CO.

BA Economics, magna cum laude, Dept. of Economics, University of Colorado, Boulder, CO.

**Employment History**

University of Nevada, Las Vegas: Chair, Professor and Beam Research Scholar, Economics,  
7/12 - present.

University of Nevada, Las Vegas: Professor and Beam Research Scholar, Economics, 7/11-  
6/12.

University of Nevada, Las Vegas: Interim Director, Center for Business and Economic  
Research, 12/09-6/10.

University of Nevada, Las Vegas: Associate Professor, Economics, 7/05 – 6/11.

University of the Basque Country, Bilbao, Spain: Visiting Professor 1/07 – 5/07

University of Nevada, Las Vegas: Assistant Professor, Economics, 7/04 – 7/05.

University of Nevada, Las Vegas: Assistant Professor, Economics and Associate Director,  
Center for Business and Economic Research, 7/99 – 7/04

University of California, Santa Barbara: Senior Economist, Economic Forecast Project, 12/97  
– 3/99.

## Teaching Experience

Graduate Econometrics, Principles of Macroeconomics, Environmental Economics and Policy, Graduate Microeconomic Theory, International Economics, Introductory Statistics, Graduate Mathematical Economics, Resource Economics, Graduate Seminar on Risk with Applications to Environmental and Resource Economics, and Graduate Research Seminar, Undergraduate Research Seminar, Behavioral and Experimental Economics

## Consulting and Expert Witness

1. Expert Witness for Shook, Hardy, Bacon LLC. Kansas City, MO.  
Expert testimony concerning health risk perceptions of smokers 2007-present.
2. Consulting for Lionel Sawyer and Associates. Demand forecasts for the legal industry and a forecast of general, local, economic conditions. 2005-2006.

## Grants Awarded

1. A Survey to Estimate the Economic Value of Health Risks Associated with the Potential Underground Geologic Repository for Spent Nuclear Fuel at Yucca Mountain, Nevada. University of Nevada New Investigator Award. 2000 – 2001. \$8,900
2. Cost-Benefit and Economic Impact Study for the Yucca Mountain Nuclear Waste Repository, Nye County, NV. Grant from the U.S. Department of Energy. 2003. \$249,000.
3. Valuing the Health Risks of Arsenic in Public and Private Drinking Water, with W. Douglass Shaw (Texas A&M), Klaus Moeltner (UNR), and Mark Walker (UNR), and Paul Jakus (Utah State) EPA STAR Grant. January 2005-2007. \$312,000.
4. Perceived Risks and Willingness to Pay for Hurricane Protection. A Small Grants for Exploratory Research, National Science Foundation, with Douglass Shaw (Texas A&M), William Neilson (University of Tennessee), Sam Brody (Texas A&M), and Richard Woodward (Texas A&M). Jan 2006 - 2007. \$110,000.
5. Researching the Business Stakeholder and Economic Dimensions of Climate Change Analysis, Outreach For Adaptation, And Policy Formation. Accepted November, 2008. With Alan Sanders. Part of Nevada EpScor grant from the National Science Foundation. Funds 1 graduate student at \$18,000.
6. Evaluating the Energy Footprint of Water Management Policies in the Las Vegas Valley. Accepted February 2009. with Sajjad Ahmed, Jacimaria Batista, and Eleeja Shrestha (Civil and Environmental Engineering, UNLV. Urban 21 grant UNLV. \$50,000.
7. College of Business Summer Research Grant. 2009. \$8,000.
8. Experiments to Evaluate Subjective Risk Perceptions for Climate Change. Part of Nevada EpScor grant from the National Science Foundation with Courtney Waldron. Funds 1 undergraduate student at \$4,800. 2010.

## Grants Submitted and Not Funded

1. Perceived Risks of Nuclear Waste Transportation, with W. Douglass Shaw and Paul Jakus, submitted to National Science Foundation, Division of Social and Economic Sciences. July 2002
2. Valuing Environmental Risks Using Nonexpected Models, with W. Douglass Shaw submitted to National Science Foundation, Division of Social and Economic Sciences. January 2006
3. Preferences for Environmental and Financial Risks and Uncertainty. With W.D. Shaw (Texas A&M) and B. Grosskopf (Texas A&M). Submitted to the National Science Foundation, Division of Social and Economic Sciences. August 2009.

## Reviewer for

*Journal of Environmental Economics and Management, American Journal of Agricultural Economics, Land Economics, Journal of Agricultural and Resource Economics, North American Journal of Fisheries Management, Water Resources Research, Environmental and Resource Economics, Journal of Housing Economics, Journal of Real Estate Research, Risk Analysis, Journal of Economic Behavior and Organization, Ecological Economics, Environment and Planning*

## Papers Published and In Press

1. How Do Long-Shot Outcomes Affect Preferences for Climate-Change Mitigation? *Southern Economic Journal*, Vol. 80(3): 752-771. 2013.
2. Heterogeneity in Life-Duration Preferences: Are Risky Recreationists Really More Risk Loving? With S. Kolstoe. *Journal of Risk and Uncertainty*, 46 (2), 191-213. 2013.  
  
Cited in *Harvard Business Review*, September 2014.  
Cited in Bloomberg News, The Daily Stat, May 30, 2014
3. Comparing Risk Preferences over Financial and Environmental Lotteries, *Journal of Risk and Uncertainty*, Vol.45(2): pp135-157. 2012.
4. Perceived Arsenic-Related Mortality Risks for Smokers and Non-smokers. *Contemporary Economic Policy*, with W.D. Shaw and P. Jakus. Vol. 30(3): 417-429. 2012.
5. Uncertainty and Measurement Error in Welfare Models for Risk Changes, *Journal of Environmental Economics and Management*, Vol. 61(3): pp. 341-54. 2011.
6. An Empirical Model of Perceived Mortality Risks for Selected United States Arsenic Hot Spots with Paul Jakus, To Nguyen, and W. Douglass Shaw, *Risk Analysis*, Vol. 30(10): pp.1550-1562. 2010.
7. Are Housing Bubbles Contagious? *Land Economics*, Vol. 87(1): pp. 126-144. 2010.

8. A Further Inquiry into the Pollution Haven Hypothesis and the Environmental Kuznets Curve, with Aaron Kearsley, *Ecological Economics*, Vol. 69: pp. 905-919. 2010.
9. Risk Perception, Ambiguity, and Nuclear-waste Transport. *Southern Economic Journal*, Vol. 75 (3), pp. 781-797. 2009.
10. Changes in Subjective Risks of Hurricanes as Time Passes: Analysis of a Sample of Katrina Evacuees, with Justin Baker, W. Douglass Shaw, and Richard Woodward. *Journal of Risk Research*. Vol. 12(1):59-74. 2009
11. Explaining Subjective Risks of Hurricanes and the Role of Risks in Intended Moving and Location Choice Models, with Justin Baker, W. Douglass Shaw, William Neilson, and Richard Woodward. *The Natural Hazards Review*. 2009.
12. Winners, Losers, and the Nuclear Waste Dilemma, with R. Keith Schwer, *Environmental and Resource Economics*, Vol. 34 (2), June 2006.
13. A Theoretically-Consistent Empirical Model of Non-expected Utility: An Application to Nuclear-Waste Transport, with W.D. Shaw, *Journal of Risk and Uncertainty*, Vol. 32 (2), March 2006.
14. Housing Market Disequilibrium: An Examination of Housing Market Price and Stock Dynamics 1967-1998, *Journal of Housing Economics*, July 2004.
15. Candidate Eco-labeling and Senate Campaign Contributions, *The Journal of Environmental Economics and Management*, V. 45(1): 177-194, 2003.
16. Finite Sample Properties of Nonstationary Binary Response Models: A Monte Carlo Analysis, *Journal of Statistical Computation and Simulation*, V. 73(3):203-222, 2003.
17. Regional Innovative Capacity with Endogenous Employment: Empirical Evidence from the U.S., with R. Keith Schwer. *Review of Regional Studies*. V. 33(1): 73-84. 2003.
18. Environmental Risk and Uncertainty: Insights from Yucca Mountain, with Christine Dwyer and W.D. Shaw. Lead Article. *Journal of Regional Science*, V. 43(3): 435-457, 2003. SSRN Top 10 Downloads for Topic: Nuclear Waste
19. Option Wealth and Bequest Values: The Value of Protecting Future Generations from the Health Risks of Nuclear Waste Storage, with W. D. Shaw. *Land Economics*, V.79(4), 2003.
20. Simulated Maximum Likelihood for Double-Bounded Referendum Models, *Journal of Agricultural and Resource Economics*, V. 26(2), 2002.
21. Grand Canyon Visitors: The Challenges of Regulatory Schemes for Balancing Alternative Interests, with R. Keith Schwer. *Natural Resources Journal*, V.41(1) 2001.

22. The Greening of Capitol Hill, *Choices*, First Quarter, 2001.
23. A Dynamic Approach to Estimating Hedonic Prices for Environmental Goods: An Application to Open Space Purchase, *Land Economics*, V. 77(4), 2001.
24. Housing Market Dynamics under Stochastic Growth: An Application to the Housing Market in Boulder, Colorado, *Journal of Regional Science*, 40(4):771-788, 2000.
25. Fundamentals, Feedback Trading, and Housing Market Speculation: Evidence from California, *Journal of Housing Economics*, 8, 272-84 (1999).
26. Joint Estimation of Multiple CVM Scenarios under a Double-bounded Questioning Format, with J. Loomis, *Environmental and Resource Economics* 12: 77-98, 1998.
27. Cropland Retirement and Supply Control in the Great Plains, with M.D. Skold, *Journal of Production Agriculture*, 10(1) 1997.

### **Book Chapters**

1. Are Climbers Fools? with W. Douglass Shaw and Paul Jakus, in the New Economics of Outdoor Recreation, edited by Nick Hanley, W. Douglass Shaw, and Robert E. Wright. Edward Elgar Publishing Inc. Northampton. MA. 2003.
2. Valuing Environmental Changes in the Presence of Risk, with W. Douglass Shaw and Paul Jakus, International Handbook of Environmental and Resource Economics 2005/2006 edited by Henk Folmer and Tom Tietenberg. Edward Elger. 2005.

### **Working Papers and Papers under Review**

1. Willingness To Pay to Avoid Perceived Arsenic-Related Risks: A Special Regressor Approach. With Thierry Kalisa and W. Douglass Shaw.
2. Risk Misperceptions, Advantageous Selection, and Demand for Cancer Insurance. With David Hales. To be presented at the Harvard Risk Symposium March 2014.
3. Probability Weighting as a Source of Domain Specificity in Financial, Environmental and Mortality Risk Preferences. With Anna Conte and Peter Moffatt.

### **Refereed Meetings Papers and Seminars at Universities**

1. Determining Conservation Reserve Program Lease Price Elasticities, with M. Skold presented at the 1995 Annual Meetings of the Western Agricultural Economics Assoc.

2. Predicting post-Conservation Reserve Program Land Use Patterns in Colorado, with M. Skold, presented at the 1995 Annual Meetings of the American Agricultural Economics Association in Indianapolis.
3. Cropland Retirement and Supply Control in the Great Plains, with M. Skold, presented at the 1996 Annual Meetings of the American Agricultural Economics Association in San Antonio.
4. Joint Estimation of Multiple CVM Scenarios under a Double-bounded Questioning Format, with John Loomis, presented at the 1997 Annual Meetings of the American Agricultural Economics Association in Toronto.
5. Housing Demand and Supply under Stochastic Growth, presented at Western Regional Science meetings in Kauai, HI February 2000.
6. Grand Canyon Visitors: The Challenges of Regulatory Schemes for Balancing Alternative Interests, with R. Keith Schwer, presented at the Western Economics Association meetings in Vancouver, BC, July 2000.
7. An Expected Utility Model for PAC Campaign Contributions: An Application to Contribution Strategies for Environmental PACs, presented at the Western Agricultural Economics Association meetings in Vancouver, BC, July 2000.
8. Finite Sample Properties of Nonstationary Binary Response Models: A Monte Carlo and Response Surface Analysis, presented at the 2000 Annual Meetings of the American Agricultural Economics Association in Tampa.
9. A Dynamic Approach to Estimating Hedonic Prices for Environmental Goods: An Application to Open Space Purchase, presented at the Western Regional Science Meetings in Palm Springs, CA, February 2001.
10. Disequilibrium In The U.S. Housing Market: An Examination Of Housing Market Price And Stock Dynamics 1967-1998, presented at the Western Economics Association meetings in San Francisco, CA, July 2001.
11. Modeling the Risks of Nuclear Waste Transportation, with W.D. Shaw, presented at the Western Economics Association meetings in San Francisco, CA, July 2001.
12. Regional Innovative Capacity With Endogenous Employment: Empirical Evidence From The U.S., with R. Keith Schwer. presented in the plenary session of the International Regional Science association Meetings in Charleston, SC, November, 2001.
13. Household Location Decisions under Environmental Risk and Uncertainty, with Christine Dwyer and W.D. Shaw. Presented at Western Regional Science Association meetings in Monterey, CA. February, 2002.

14. Episodic Emissions and Nuclear Waste Transport: The Case of Yucca Mountain, with W.D. Shaw, presented at the 2<sup>nd</sup> World Congress of Environmental Economists, Monterey, CA. June, 2002.
15. Option Wealth and Bequest Values: The Value of Protecting Future Generations from the Health Risks of Nuclear Waste Storage, with W.D. Shaw presented at the 2002 Annual Meetings of the American Agricultural Economics Association in Long Beach, CA. July 2002.
16. Risk Perception, Ambiguity, and Nuclear Waste Transport, presented at Western Regional Science Association meetings in Rio Rico, AZ. February, 2003.
17. Economic Effects of the Proposed Yucca Mountain Nuclear Waste Repository, presented at the Western Economics Association meetings in Denver, CA, July 11 – 15, 2003.
18. External Costs of Health and Safety Risks from Radioactive-Waste Transport: Willingness to Pay Versus Willingness to Accept. with R. Keith Schwer. presented at Western Regional Science Association meetings in Wailea, HI. February, 2004.
19. Winners, Losers, and the Nuclear Waste Dilemma. with R. Keith Schwer, presented at the Western Economics Association meetings in Vancouver, BC, July 2004.
20. A Theoretically-Consistent Empirical Model of Generalized Expected Utility: An Application to Nuclear-Waste Transport. With W. Douglass Shaw. Presented at the University of Chicago, Decision Science Seminar Series. February 2006.
21. A Theoretically-Consistent Empirical Model of Generalized Expected Utility: An Application to Nuclear-Waste Transport. With W. Douglass Shaw. Presented at the University of California, Berkeley, Economics Seminar. April 2006.
22. A Theoretically-Consistent Empirical Model of Generalized Expected Utility: An Application to Nuclear-Waste Transport. With W. Douglass Shaw. Presented at the Third World Congress for Environmental Economists, Kyoto, Japan. July 2006
23. Perceived Hurricane Risks and Location Decisions: Analysis of a Sample of Katrina Evacuees. Meeting of the Natural Hazards and Disasters Researchers, Boulder, CO. July 2007.
24. Perceived Hurricane Risks: Location Decisions: Analysis of a Sample of Katrina Evacuees. Meeting of the University Council on Water Resources, Boise Id. 2007.
25. Changes in Subjective Risks of Hurricanes as Time Passes: Analysis of a

- Sample of Katrina Evacuees. With Justin Baker, W. Douglass Shaw, and Richard Woodward. Seminar at the Hazard Reduction and Recovery Center, Texas A&M, in spring 2008.
26. Welfare Measures with Risk: Do Distributions Matter? With W. Douglass Shaw. Presented at Department seminar, Texas A&M Dept. of Agricultural & Resource Economics. Sept. 2008
  27. Welfare Measures with Risk: Do Distributions Matter? With W. Douglass Shaw. Presented at Department seminar, University of Oregon, Dept. of Economics, Oct. 2008
  28. Welfare Measures with Risk: Do Distributions Matter? With W. Douglass Shaw. Presented at Department seminar, Vassar Dept. of Economics, Dec. 2008
  29. The Modal Random Utility Model: Welfare Values for Nuclear-Waste Transport. Presented at Department seminar, Colorado State Dept. of Economics, March, 2008
  30. An Empirical Model Of Perceived Mortality Risks For Selected United States Arsenic Hot Spots with Paul Jakus, To Nguyen, and W. Douglass Shaw. Presented at University of Illinois, Champagne-Urbana, March 2008.
  31. An Empirical Model Of Perceived Mortality Risks For Selected United States Arsenic Hot Spots with Paul Jakus, To Nguyen, and W. Douglass Shaw. Presented at the W-2133 meetings in Hawaii, Feb. 2008
  32. Are Housing Bubbles Contagious? Presented at the Pacific Rim Conference of the Western Economics Association International, Kyoto, Japan. March 23-28 2009.
  33. Welfare Measures with Risk: Do Distributions Matter? With W. Douglass Shaw. Presented at Department seminar, University of Central Florida Dept. of Economics, Feb. 2009
  34. Perceived Hurricane Risks and Location Decisions: Analysis of a Sample of Katrina Evacuees. University of Alabama Economics Seminar series. Spring, 2009.
  35. Economic Outlook for Nevada, Western Regional Science Annual Meeting, Sedona Arizona, Feb. 2010.
  36. Uncertainty and Measurement Error in Welfare Models for Risk Changes, presented at Fourth World Congress for Environmental and Resource Economics, Montreal, Quebec, CA. June 27-July 2, 2010.
  37. Comparing Risk Preferences over Financial and Environmental Lotteries. Presented at the annual meetings of the Association of Environmental and Resource Economists, Seattle, WA. June 8-10, 2011.



38. How Do Long-Shot Outcomes Affect Preferences for Climate-Change Mitigation? Presented at the Annual Meeting of the Society for Risk Analysis. San Francisco, CA. December 2012.
39. Comparing Risk Preferences over Financial and Environmental Lotteries. Presented at the Annual Meeting of the Society for Risk Analysis. San Francisco, CA. December 2012.
40. Willingness To Pay to Avoid Perceived Arsenic-Related Risks: A Special Regressor Approach. With Thierry Kalisa and W. Douglass Shaw. Invited Seminar, Max Planck Institute of Economics, Strategic Interaction Group, June 24, 2013.
41. Willingness To Pay to Avoid Perceived Arsenic-Related Risks: A Special Regressor Approach. With Thierry Kalisa and W. Douglass Shaw. Presented at the European Association for Environmental and Resource Economists in Toulouse France, June 29, 2013.

### **Technical Papers**

1. Economic Impact of VentureStar™ on the Nevada Economy. With Keith Schwer. Technical Report. Center for Business and Economic Research. University of Nevada, Las Vegas. 1999.
2. The Impact of the Maglev Train on the Economy of Clark County. With Keith Schwer. Technical Report. Center for Business and Economic Research. University of Nevada, Las Vegas. 1999.
3. The Southern Nevada Limousine Market: Issues and Analysis for Southern Nevada's Local Transportation Industry. With R. Keith Schwer. Technical Report. Center for Business and Economic Research. University of Nevada, Las Vegas. 2003.
4. The Potential Economic Impact of Nevada's Renewable Energy Resources. With R. Keith Schwer. Technical Report. Center for Business and Economic Research. University of Nevada, Las Vegas. 2003.
5. The Potential Economic Impact of Constructing and Operating Solar Power Generation Facilities in Nevada. With R. Keith Schwer. Technical Report. Center for Business and Economic Research. University of Nevada, Las Vegas. 2003.
6. Atomic Testing Museum Demand Study: Results of the Residents and Visitors Survey. With R. Keith Schwer. Technical Report. Center for Business and Economic Research. University of Nevada, Las Vegas. 2003.
7. The Economic Impact of the Yucca Mountain Nuclear Waste Repository on the Economy of Nevada. With Martin Boyett and R. Keith Schwer. Technical Report.

Center for Business and Economic Research. University of Nevada, Las Vegas. 2003.

8. Economic Values for Openspace, Landscaping, Biodiversity, and Best Management Practices Associated with Urban Watershed Improvements: A Conjoint Study. Technical Report for the Los Angeles Department of Water and Power. February, 2005.
9. The Economic Impact of the Non-native Hispanic Community on the Economy of Southern Nevada. Technical Report. Center for Business and Economic Research. University of Nevada, Las Vegas. 2003.
10. Fiscal Impact of Question 9: Potential State-Revenue Implications. With R. Keith Schwer and Jason Henderson. Technical Report. Center for Business and Economic Research, University of Nevada, Las Vegas. 2002.
11. Preferences of Hispanic Voters in Alamosa County, Colorado. Funded by the Mountain States Legal Foundation. Technical Report, University of Nevada, Las Vegas. 2001.

### **Economic Outlooks and Population Forecasts**

1. Annual Economic Outlook for Southern Nevada. With Robert Potts and R. Keith Schwer. Technical Report. Center for Business and Economic Research. University of Nevada, Las Vegas. Annual Reports. 1999-2003, 2009.
2. Mid-year Economic Outlook for Southern Nevada. With Robert Potts and R. Keith Schwer. Technical Report. Center for Business and Economic Research. University of Nevada, Las Vegas. Annual Reports. 2000 – 2004, 2010.
3. Clark County, Nevada Population Forecast: With R. Keith Schwer. Technical Report. Center for Business and Economic Research. University of Nevada, Las Vegas. Annual Reports 1999 – 2004.

### **University, Professional, and Community Service**

#### ***University Service***

- Interim Director, Center for Business and Economic Research, UNLV December 2009-June 2010.
- Chair, UNLV Sabbatical Leave Committee 2006, 2007, 2008, 2009
- Member, UNLV Sabbatical Leave Committee 2005
- Member of the Urban Sustainability Advisory Committee 2009
- Reviewer for Urban Sustainability Graduate Assistantship Applications 2009
- Faculty Senate Representative to the College of Business 2009, 2010
- Member, Executive MBA Committee 2005, 2006, 2007
- Search Committee for new CBER director, 2010
- Chair Economics July 2012 - present

- Member, Research Committee, 2008, 2009
- Member, Merit Review Committee, 2008, 2009 (did not meet in 2009)
- Member, Graduate Committee 2005, 2006, 2007, 2008, 2009, 2010, 2011
- Member, Ad Hoc Journal Review Committee 2005, 2006

*Professional and learned societies*

- Member American Economics Association
- Member Association of Environmental and Resource Economists
- Member, Western Economics Association International
- Member, Society for Risk Analysis
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*Public and private organizations*

- Interim Executive Director, KidsCount 2010