

# J.R. DeShazo

Professor of Public Policy and Urban Planning  
UCLA Luskin School of Public Affairs

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UPDATED: 05/06/2016

## EDUCATION

**Ph.D., Harvard University** (1997) Urban Planning, Economics concentration;

Dissertation: "Essays on the Theory and Measurement of Public Goods"

Co-chairs: Amartya Sen and Robert Stavins

**M.Sc., Oxford University, St. Antony's College** (1991) Development Economics, Rhodes Scholar

**B.A., College of William and Mary** (1989) Economics and History (Interdisciplinary) with honors

## PROFESSIONAL EXPERIENCE

2012 – Present Professor, Department of Public Policy, UCLA; joint appointments with the Department of Urban Planning and the Department of Civil and Environmental Engineering, UCLA

2006 – 2012 Associate Professor, Department of Public Policy, UCLA

1997 – 2006 Assistant Professor, Department of Public Policy, UCLA

2000 – 2004 Faculty Associate, Harvard Institute for International Development

1993 – 2000 Urban/Environmental Economist, Harvard Institute for International Development

1990 – 1991 Hydrogeologist, OHM Services Corporation, Richmond, Virginia  
Administrative Experience

2009 – Present Director, Luskin Center for Innovation, UCLA

2007 – Present Vice-Chair, Department of Public Policy, UCLA

2006 – 2011 Director, Ralph and Goldy Lewis Center, UCLA

## IN PRINT OR FORTHCOMING

1. "The effects of the built environment, traffic patterns, and micrometeorology on street level ultrafine particle concentrations at a block scale: Results from multiple urban sites." W. Choi, D. Ranasinghe, K. Bunavage, J.R. DeShazo, L. Wu, R. Seguel, A.M. Winer, S.E. Paulson. *The Science of the Total Environment*. 553:474-485 (2016)
2. "Cost-Benefit Analysis of Onsite Residential Graywater Recycling: A Case Study on the City of Los Angeles." Z. Yu, J.R. DeShazo, M. Stenstrom, and Y. Cohen. *Journal American Water Works Association*. 107(9): E436-E444 (September 2015)
3. "Creation of Malaysia's Royal Belum State Park: A Case Study of Conservation in a Developing Country." K. Schwabe, R. Carson, J.R. DeShazo, M. Potts, A. Reese, and J. Vincent. *Journal of Environment & Development*. 24(1): 54-81. (March 2015)
4. "Designing and Implementing Surveys to Value Tropical Forests." J.R. DeShazo, R. Carson, K. Schwabe, J. Vincent, I. Ahmad, C. Kook, and C. Tan. *Journal of Tropical Forest Science*. 27(1): 91-114. (January 2015)
5. "Willingness to Pay for Public Health Policies to Treat Illnesses." R. Bosworth, T.A. Cameron, and J.R. DeShazo. *Journal of Health Economics*. 39: 74-88. (January 2015)

6. "Tropical countries may be willing to pay more to protect their forests." J. Vincent, R. Carson, J. R. DeShazo, K. Schwabe, I. Ahmad, S. Chong, Y. Chang, and M. Potts. *Proceedings of the National Academy of Science*. (15 July 2014)
7. "Pricing Workplace Charging: Financial Viability and Fueling Costs." B. Williams and J.R. DeShazo. *Transportation Research Board 93rd Annual Meeting*, no. 14-1137. (January 2014)
8. "Critical Review: Regulatory Incentives and Impediments for Onsite Graywater Reuse in the United States." Zita Yu, Anditya Rahardianto, J.R. DeShazo, Michael Stenstrom, and Yoram Cohen. *Water Environment Research*, Volume 85, Number 7, pp. 650-662(13) (July 2013)
9. "Demand for Health Risk Reductions." T.A. Cameron and J.R. DeShazo. *Journal of Environmental Economics and Management*. (January 2013)
10. "Scenario Adjustment in Stated Preference Research." T.A. Cameron, J.R. DeShazo, and E.H. Johnson. *Journal of Choice Modelling*. (March 2011)
11. "Differential Attention to Attributes in Utility-theoretic Choice Models." T.A. Cameron and J.R. DeShazo. *Journal of Choice Modelling*. 3(3) 73-115 (November 2010)
12. "Demand for Health Risk Reductions: A Cross-national Comparison between the U.S. and Canada." T.A. Cameron, J.R. DeShazo, and P. Stiffler. *Journal of Risk and Uncertainty*. 41(3) 245-273 (December 2010)
13. "Is An Ounce of Prevention Worth a Pound of Cure? Comparing Demand for Public Prevention and Treatment Policies." R. Bosworth, T.A. Cameron, and J.R. DeShazo. *Medical Decision Making*. 30(4): E40-E56 (2010)
14. "The Effect of Children on Adult Demands for Health-risk Reductions." T.A. Cameron, J.R. DeShazo, and E.H. Johnson. *Journal of Health Economics*. 29(3): 364-376 (May 2010)
15. "Demand for Environmental Policies to Improve Health: Evaluating Community-level Policy Scenarios." R. Bosworth, T.A. Cameron, and J.R. DeShazo. *Journal of Environmental Economics and Management*. 57(3): 293-308 (2009)
16. "The Effect of Consumers' Real-world Choice Sets on Inferences from a Stated Preference Field Experiment." J.R. DeShazo, T.A. Cameron, and M. Saenz. *Environmental and Resource Economics*. 42(3):319-343 (2009)
17. "The Environmental Consequences of Decentralizing the Decision to Decentralize." W.B. Cutter and J.R. DeShazo. *Journal of Environmental Economics and Management*. 53 (1): 32-53 (2007)
18. "Activities in Models of Recreational Demand." W.B. Cutter, L. Pendleton, and J.R. DeShazo. *Land Economics*. 83(3): 370-381 (2007)
19. "Timing and Form of Federal Regulation: The Case of Climate Change." J.R. DeShazo and J. Freeman. *University of Pennsylvania Law Review*. 155:1499-1558 (2007)
20. "Evaluation Reforms in the Implementation of Hazardous Waste Policies in California." W.B. Cutter and J.R. DeShazo. *California Policy Options*. (2006)
21. "Frontiers in Stated Preferences Methods: An Introduction." V. Adamowicz and J.R. DeShazo. *Environmental and Resource Economics*. 34(1): 1-6 (2006)
22. "Congressional Politics." J.R. DeShazo and J. Freeman. Chapter 6 in "*The Endangered Species Act at Thirty: Renewing the Conservation Promise*" edited by Dale Goble, J. Michael Scott, Frank W. Davis. Island Press. (2006)
23. "Public Agencies as Lobbyists." J.R. DeShazo and J. Freeman. *Columbia Law Review*. 105(8): 2217-2305 (2005)
24. "The Effect of Health Status on Willingness to Pay for Morbidity and Mortality Risk Reductions." J.R. DeShazo and T.A. Cameron. *California Center for Population Research*. (2005)

25. "Upgrading Municipal Environmental Services to European Union Levels: A Case Study of Household Willingness to Pay in Lithuania." R. Bluffstone and J.R. DeShazo. *Environment and Development Economics*. 8(4): 637-654 (2003)
26. "The Congressional Competition to Control Delegated Power." J.R. DeShazo and J. Freeman. *Texas Law Review*. 81(6): 1443-1519 (2003)
27. "Designing Transactions without Framing Effects in Iterative Question Formats." J.R. DeShazo, *Journal of Environmental Economics and Management*. 44(1): 123-143 (2002)
28. "Dissecting the Random Component of Utility." J. Louvier, R. Carson, A. Anislie, T.A. Cameron, J.R. DeShazo, D. Hensher, R. Kohn, T. Marley, and D. Street. *Marketing Letters*. 13(3): 177-193 (2002)
29. "Designing Choice Sets for Stated Preference Methods: The Effects of Complexity on Choice Consistency." J.R. DeShazo and G. Fermo. *Journal of Environmental Economics and Management*. 43(3): 360-385 (2002) (Paper identified as one of the three of the most influential articles of the year at the 2002 World Congress of Environmental and Resource Economics by Ian Bateman, Editor of *Environmental and Resource Economics*.)
30. "The Effect of Supply and Demand Shocks on the Non-market Valuation of Public Goods." J.R. DeShazo. *Journal of Environment and Development Economics*. 4: 471-492 (1999)
31. "Demand for Solid Waste Management: A Case Study of Gujranwala, Pakistan." A. Altaf and J.R. DeShazo. *World Development*. 24(5): 857-868 (1996)

### **UNPUBLISHED ARTICLES**

32. "A Comprehensive Assessment of Selection in a Major Internet Panel for the Case of Attitudes toward Government Regulation." T.A. Cameron and J.R. DeShazo.
33. "Subjective Choice Difficulty in Stated Preference Surveys." Eric Duquette, T.A. Cameron, and J.R. DeShazo.
34. "Willingness to Pay for Health Risk Reductions: Differences by Type of Illness." T.A. Cameron and J.R. DeShazo.
35. "Two Types of Age Effects in the Demand for Reductions in Mortality Risks with Differing Latencies." J.R. DeShazo and T.A. Cameron.
36. "The Effect of Health Status on Willingness to Pay for Morbidity and Mortality Risk Reductions." J.R. DeShazo and T.A. Cameron.

### **NON-PEER REVIEWED ARTICLES AND BOOK CHAPTERS**

37. "Protecting the Most Vulnerable: A Financial Analysis of Cap-and-Trade's Impact on Households in Disadvantaged Communities Across California." J. Gattaciecceca, C. Callahan, J.R. DeShazo. UCLA Luskin Center for Innovation Report. (2016)
38. "Disparities in Drinking Water Cost Within Los Angeles County." G. Pierce, J.R. DeShazo UCLA Luskin Center for Innovation Report. (2016)
39. "Los Angeles County Community Water Systems: Atlas and Policy Guide, Supply Vulnerabilities, At-Risk Populations, Conservation Opportunities, Pricing Policies, and Customer Assistance Programs." J.R. DeShazo, H. McCann, G. Pierce . UCLA Luskin Center for Innovation Report. (2015)
40. "Guide to Greenhouse Gas Reduction Fund Program Designs, Expenditures, and Benefits for Disadvantaged Communities." J. Rabin, C. Callahan, J.R. DeShazo. UCLA Luskin Center for Innovation Report. (2015)
41. "Guide to Design Decisions for Utility-Sponsored Community Solar." J.R. DeShazo, A. Turek, M. Samulon. UCLA Luskin Center for Innovation Report. (2015)

42. "The Avalon Green Alley Network Demonstration Project: Lessons Learned from Previous Projects for Green Alley Development in Los Angeles & Beyond." R. Lindt, C. Callahan, J.R. DeShazo. UCLA Luskin Center for Innovation Report. (2015)
43. "Transportation Electrification Curriculum Development." B. Williams, J.R. DeShazo, A. Kerbel Shein, T. Xu. UCLA Luskin Center for Innovation Report. (2015)
44. "State of the States' Plug-in Electric Vehicle Policies." J.R. DeShazo, CC Song, M. Sin, T. Gariffo. UCLA Luskin Center for Innovation Report. (2015)
45. "Efficiently Energizing Job Creation in Los Angeles." J.R. DeShazo, A. Turek, M. Samulon UCLA Luskin Center for Innovation Report. (2014)
46. "Los Angeles Solar and Efficiency Report (LASER) Version 2.0." J.R. DeShazo, C. Callahan H. McCann and N, Wong. UCLA Luskin Center for Innovation Report for the Environmental Defense Fund. (2014)
47. "Pricing Plug-in Electric Vehicle Recharging in Multi-Unit Dwellings: Financial Viability and Fueling Costs," B. Williams and J.R. DeShazo. UCLA Luskin Center for Innovation Report. (2013)
48. "Pricing Workplace Charging: Financial Viability and Fueling Costs." B. William, J.R. DeShazo. UCLA Luskin Center for Innovation Report. (2013)
49. "Los Angeles Solar and Efficiency Report (LASER)." J.R. DeShazo, C. Callahan and N, Wong. UCLA Luskin Center for Innovation Report for the Environmental Defense Fund. (2013)
50. "South Bay Cities Plug-in Electric Vehicle Readiness Plan." J.R. DeShazo, A. Ben-Yehuda, N. Wong and A. Turek. UCLA Luskin Center for Innovation Report for Southern California Association of Governments. (2013)
51. "Western Riverside Plug-in Electric Vehicle Deployment Plan." J.R. DeShazo, A. Ben-Yehuda, N. Wong and V. Hsu. UCLA Luskin Center for Innovation Report for Southern California Association of Governments. (2013)
52. "Moving Towards Resiliency: An Assessment of the Costs and Benefits of Energy Investments for the San Pedro Bay Ports." R. Matulka, J.R. DeShazo and C. Callahan. UCLA Luskin Center for Innovation Report. (2013)
53. "Achieving Proposition 39's Clean Energy Promise: Investing in Jobs, Energy Efficiency and Renewal Resources." J.R. DeShazo, C. Callahan, and E. Beryt. UCLA Luskin Center for Innovation Report for the Los Angeles Business Council. (2013)
54. "Southern California Plug-in Electric Vehicle Readiness Plan." J.R. DeShazo and A. Ben-Yehuda. UCLA Luskin Center for Innovation Report for Southern California Association of Governments. (2012)
55. "Southern California Plug-in Electric Vehicle Atlas." J.R. DeShazo, A. Ben-Yehuda and N. Wong. UCLA Luskin Center for Innovation Report for Southern California Association of Governments. (2012)
56. "Climate Action Planning in Southern California." J.R. DeShazo and J. Matute. UCLA Luskin Center for Innovation Report (2012)
57. "Empowering LA's Solar Workforce: New Policies that Deliver Investments and Jobs." J.R. DeShazo, M. Pastor, and M. Auer. Produced by the LABC Institute, City of Los Angeles, JP Morgan Chase & Co., Global Green USA, UCLA Luskin Center, and USC Program for Environmental and Regional Equity. (2011)
58. "Towards Measuring Green House Gases from Local Jurisdictions." J.R. DeShazo and J. Matute. Oxford Handbook of Urban Planning. Oxford: Oxford University Press. (2012)
59. "Making a Market: Multifamily Rooftop Solar and Social Equity in Los Angeles." J.R. DeShazo, M. Pastor, M. Auer, V. Carter, and N. Vartanian. UCLA Luskin Center for Innovation Report. (April 2011)

60. "Los Angeles Solar Atlas." J.R. DeShazo, R. Matulka, and N. Wong. Produced by the UCLA Luskin Center for Innovation with financial and data support from Los Angeles County, the Los Angeles Business Council, and the UCLA Lewis Center. (2011)
61. "Best Practices for Implementing a Feed-in Tariff Program." J.R. DeShazo and R. Matulka, UCLA Luskin Center for Innovation Report. (2010)
62. "Bringing Solar Energy to Los Angeles: An Assessment of the Feasibility and Impacts of an In-basin Solar Feed-in Tariff Program." J.R. DeShazo and R. Matulka, UCLA Luskin Center for Innovation Report. (2010)
63. "Designing an Effective Feed-in Tariff for Greater Los Angeles." J.R. DeShazo and R. Matulka. UCLA Luskin Center for Innovation Report. (2010)
64. "Early Steps toward Climate Action Planning in Southern California." J. Matute and J.R. DeShazo. UCLA Luskin Center for Innovation Report. (2010)
65. "Economic Analysis of California's Green Chemistry Regulations for Safer Consumer Products." M. Kahn and J.R. DeShazo. UCLA Institute of the Environment and Sustainability Report. (2010)
66. "Persistent Market Failures in the Chemical Sector: Consequences for Health and Product Innovation." J.R. DeShazo and M. Cohen. Report prepared for the California Department of Toxic Substances Control. (2007)
67. "Congressional Oversight of the Endangered Species Act: How Politics Influences Policy." J.R. DeShazo and J. Freeman. In *30 Years After the Endangered Species Act*. (2005)
68. "Hazardous Waste." *Southern California Environmental Report Card*. W.B. Cutter and J.R. DeShazo. UCLA Institute of the Environment. (2005)
69. "REACHING THE TIPPING POINT IN LOS ANGELES: An Evaluation of the Safer Cities Initiative in MacArthur Park." J.R. DeShazo and M. Klieman. Report prepared for Hanover Associates on behalf of the Los Angeles Police Department. (2004)
70. "The Congressional Competition to Control Delegated Power." J.R. DeShazo and J. Freeman. *Land Use and Environmental Law Review* 35. (2004)
71. "Linking Growth in Tourism with the Conservation of Protected Areas: Toward a National Paradigm in Central America." J.R. DeShazo. In T. Panayotou, ed. *Environment for Growth: Environmental Management for Sustainability and Competitiveness in Central America*. Cambridge, MA: Harvard University Press. (2001)
72. "Travel Patterns of Domestic and International Tourists in Central America." J.R. DeShazo. In T. Panayotou, ed. *Environment for Growth: Environmental Management for Sustainability and Competitiveness in Central America*. Cambridge, MA: Harvard University Press. (2001)
73. "The Demand for Types of Recreational Sites in Central America: Comparison of Guatemala and Costa Rica." J.R. DeShazo. In T. Panayotou, ed. *Environment for Growth: Environmental Management for Sustainability and Competitiveness in Central America*. Cambridge, MA: Harvard University Press. (2001)
74. "An Economic Model of Smallholder Deforestation: A Consideration of the Shadow Value of Land on the Frontier." R. DeShazo and J.R. DeShazo. In *International Symposium on Tropical Forest Management in Asia Proceedings*, Oslo, Norway. (1994)

## **RESEARCH GRANTS AND CONTRACTS**

Principal Investigator. 2016-2019. California Energy Commission (contract total \$ 2,007,875), Identifying Demand Response Program Designs for Small Customers Classes (Group 2)

Principal Investigator. 2016-2018. California Air Resources Board. (grant total \$ 482,608). "Retirement and Replacement Incentives for Low-Income Households"

Principal Investigator. 2016-2017 UCLA Sustainable LA Grand Challenge Research Grants Program. (grant total \$ 63,000). “Creating a OneWater Market for Los Angeles: Supporting the Goal of 100% Local Water Supply for Community Water Systems”

Principal Investigator. 2016 CCA’s in California. (contract total \$ 32,309). “Environmental, Economic, and Avoided Costs Benefits of Developing Community Choice Aggregations in California”

Principal Investigator. 2015-2017 California Energy Commission through South Bay Cities Council of Governments. (sub-contract total \$70,132). “ZEV Readiness Planning for the Westside Cities”

Principal Investigator. 2015-2016 California Energy Commission through Southern California Association of Governments. (sub-contract total \$111,425). “EVCS Siting and Installation Process in the South Bay Cities”

Principal Investigator. 2015-2016 South Coast Air Quality Management District. (\$10,000). “DC Fast Charging Siting.”

Principal Investigator. 2015-2016 The Bohnett Foundation. (\$40,000). “One River for All: Los Angeles River Greenway Toolkit.”

Principal Investigator. 2014-2015 The Rosalinde and Arthur Gilbert Foundation. (\$79,290). “One River for All: Los Angeles River Greenway Toolkit.”

Principal Investigator. 2014-2015 Heising-Simons Foundation. (\$69,829). “Informing Climate Policies that Provide Benefits to Households in Disadvantaged Communities.”

Principal Investigator. 2014-2017. California Energy Commission (sub-award total \$ 99,772). “Solar Forecasting.”

Principal Investigator. 2014. Trust for Public Land (contract total \$15,000), “Green Alley Case Study.”

Principal Investigator. 2014. California Environmental Protection Agency and the Office of Environmental Health Hazard Assessment (contract total \$9,683), “Evaluating Benefits in Disadvantaged Communities for Implementation of the Greenhouse Gas Reduction Fund.”

Principal Investigator. 2014. Los Angeles Department of Water and Power (contract total \$96,150), “Job Creation Benefits from Energy Efficiency Programs at the Los Angeles Department of Water and Power.”

Principal Investigator. 2014. The California Endowment via the Coalition for Clean Air (gift total \$20,000), “Investment Justice through the Greenhouse Gas Reduction Fund.”

Co-Principal Investigator. 2013-2014. Edison International Foundation (grant total \$50,000), “Transportation Electrification Curriculum Development.”

Principal Investigator. 2013-2014. Environmental Defense Fund (grant total \$43,178), “Los Angeles Solar and Efficiency Report (LASER): An Atlas of Investment Potential.”

Co-Principal Investigator. 2013-2014. Shell Oil Company (contract total \$394,403), “Carousel Tract Environmental Remediation.”

Co-Principal Investigator. 2013-2015. California Air Resources Board. (grant total \$302,993). “Examining Factors that Influence ZEV Sales in California.”

Principal Investigator. 2013-2014. South Coast Air Quality Management District (grant total \$32,000). “South Coast Plug-in Electric Vehicle Readiness Plan.”

Principal Investigator. 2012-2014. California Air Resources Board (grant total \$83,859). “Analyzing the Economic Benefits and Costs of Smart Growth Strategies.”

Principal Investigator. 2013. Environmental Defense Foundation (grant total \$35,000). “Assessing Local Clean Energy Investment Potential and Need in Los Angeles County.”

Co-Principal Investigator. 2012-2013. California Air Resources Board (grant total \$360,000, \$120,000 allocated to UCLA Luskin Center). "Designing Transit Oriented Development to Reduce Pedestrian and Residential Air Pollution Exposure."

Co-Principal Investigator. 2012-2013. U.S. Forest Service (\$19,500). "Water, Climate Change, and Environmental Justice: A Vulnerability Assessment Framework."

Co-Principal Investigator. 2012-2013. University of California Transportation Center (grant total \$130,600, \$28,900 allocated to UCLA Luskin Center). "Air Quality in Transit Oriented Developments."

Principal Investigator. 2012-2013. Southern California Association of Governments (\$193,000). "Plug-In Electric Vehicle Readiness Plan."

Principal Investigator. 2012. Los Angeles Business Council (\$11,000). "Implementing Public-Private Partnership for Prop 39: The California Clean Energy Jobs Act."

Principal Investigator. 2012. UCLA Center for Civil Society (\$17,000). "UCLA partnership with CicLAvia and the Los Angeles Sustainability Collaborative to conduct an economic impact analysis of a community-based CicLAvia open street event."

Principal Investigator. 2012. Aquamarine Institute (\$25,000). "Energy Efficiency and Energy Generation for the San Pedro Bay Ports."

Principal Investigator. 2010-2012. University of California Transportation Center (\$26,300). Multi-campus Research Programs and Initiatives (MRPI).

Co-Principal Investigator. 2011-2012. UC Institute of Transportation Studies (\$26,000). "Planning for Electric Vehicle Growth."

Principal Investigator. 2011. U.S. Environmental Protection Agency (\$15,000). "Closing the Environmental Justice Gap: Advancing Evaluation Methods."

Principal Investigator. 2011. Southern California Association of Governments (\$50,700). "Maintaining Lots Online GIS."

Principal Investigator. 2010. California Environmental Protection Agency Toxic Substances Control (\$75,710). "Economic Analysis of California's Green Chemistry Regulations for Safer Consumer Products."

Principal Investigator. 2010. Los Angeles Business Council (\$92,000). "Analyzing Alternative Designs for In-Basin Solar Programs."

Principal Investigator. 2010. Kern COG Regional Transportation (\$10,101). "Kern COG Database and Website Improvement."

Principal Investigator. 2010. University of California Transportation Center (\$33,000). Multi-campus Research Programs and Initiatives (MRPI).

Principal Investigator. 2009. Latino Business Chamber (\$42,000). "Strengthening Latino Businesses in Greater Los Angeles."

Principal Investigator. 2007-2008. California Environmental Protection Agency Toxic Substances Control (\$31,262). "Persistent Market Failures in the Chemical Sector: Consequences for Health and Product Innovation."

Co-Principal Investigator. 2006-2009. National Science Foundation (\$40,529). "Improving the Valuations of Risk Reductions."

Co-Principal Investigator. 2005-2010. United Nations Development Programme, Global Environment Facility (grant total of \$5.6 million, \$769,600 allocated for economic valuation tools component). "Conservation of Biological Diversity through Improved Forest Planning Tools." PI: Jeffrey Vincent; Economic Valuation team: Richard Carson, J.R. DeShazo, Kurt Schwabe, Jeffrey Vincent.

Principal Investigator. 2003. Haynes Foundation (\$59,000). "Evaluating Privatization as a Governance Strategy for Bus Transit in Southern California."

Principal Investigator. 2003. California Policy Research Center (\$40,000). "Evaluating the Governance and Privatization of Public Bus Transit in California."

Co-Principal Investigator. 2003. U.S. Environmental Protection Agency (\$69,000). "Not All Deaths are Created Equal: Understanding Individual Preferences for Reductions in Morbidity-Mortality Events." Co-PI: Trudy Cameron.

Co-Principal Investigator. 2001. National Science Foundation/US Environmental Protection Agency (\$360,000). "Not All Deaths are Created Equal: Understanding Individual Preferences for Reductions in Morbidity-Mortality Events." Co-PI: Trudy Cameron.

Co-Principal Investigator. 2001. Health Canada (\$195,000). "Not All Deaths are Created Equal: Understanding Individual Preferences for Reductions in Morbidity-Mortality Events." Co-PI: Trudy Cameron.

Co-Principal Investigator. 1999. National Science Foundation/US Environmental Protection Agency (\$107,000). "Understanding the Effects of Choice Set Complexity in Stated Preference Methods." Co-PI: Trudy Cameron.

Contractor. 1998. United Nations Industrial Development Organization: Costa Rica (\$10,000). "Measuring the Benefits of National Park Visitation in Costa Rica."

Contractor. 1998. Guatemalan Institute of Tourism (INGUAT) (\$10,000). "Understanding the Demand for Recreational and Tourism Destinations in Guatemala."

Principal Investigator. 1997. Harvard University and INCAE (\$163,000). "Understanding Nature and Cultural Tourism in Central America." Project Director: Theodore Panayotou.

Subcontractor. 1997. National Science Foundation (\$16,000). "Endangered Species Act: Understanding Public Policy Outcomes." Co-PIs: Andrew Metrick and Martin Weitzman.

## **ACADEMIC AWARDS**

Professor of the Year, Master of Public Policy (MPP) Program, UCLA (2001, 2004, 2007)

Faculty Career Development Award, UCLA (2000)

Center for American Politics and Public Policy Fellowship, UCLA (1999)

Commencement Marshal, Harvard University (1997)

Harvard University Fellowship (1992-95)

Rhodes Scholar (1989-90)

Marshall Scholar Nominee (1989)

Phi Beta Kappa, College of William and Mary (1988-89)

Edward-Carr Cup Winner, College of William and Mary (1989)

Zelda B. Winwright Scholar, College of William and Mary (1988)

## **PROFESSIONAL SERVICE**

Committee Member: U.S. Environmental Protection Agency Science Advisory Board's Environmental Economics Advisory Committee. Serves as a special government employee and provides independent advice on technical issues underlying the EPA's policies and decision making. (2013-2016)

Associated Policy Editor for Energy and Environment, *Behavioral Science & Policy (BSP) Journal*. The journal publishes accessible short-form articles applying the findings of behavioral science research to policy questions and is published by the Behavioral Science & Policy Association and the Brookings Institution Press. (2014)

Committee Member: Southern California Plug-In Electric Vehicle Coordinating Council. The Council is responsible for creating the Southern California Plug-in Electric Vehicle Readiness Plan, published in 2012. (2012-2013)



Panel Member: National Water Research Institute Los Angeles Department of Water and Power “Groundwater Recharge Project.” (2013)

Committee Member: Statewide workshop on Plug-In Electric Vehicles (PEV) Infrastructure Planning held by the California Energy Commission in coordination with the Governor’s Office and the Air Resources Board. (2013)

Expert Panelist: Carousel Site Review in Carson, CA. Review possible exposure to homeowners on Shell Oil site (2012-2013).

Committee Member: Los Angeles Metro Energy Blue Ribbon Committee. Committee provides recommendations and facilitates partnerships to develop innovative and cost effective strategies to enhance Metro’s Energy Conservation and Management (2012-2013).

Review Panelist: The Tillman Water Reclamation Plant Review Committee for the Department of Water and Power. The committee established policies for all aspects of long-range planning for garden activities and projects (2010-2011).

Plan Special Editor, *Environmental and Resource Economics*. Issue entitled “Frontiers in the Non-Market Valuation Methods” with Vic Adamowicz (2005).

Research Staff: Metropolitan Water District Blue Ribbon Committee. The Blue Ribbon Committee provided Metropolitan with a report analyzing water challenges for the next 50 years. The committee reviewed developing new water options for Southern California; energy for the future; economic development and new technologies; financial stability; workforce; and external and internal communications functions (2004-2006).

Editorial Council, *Journal of Environmental Economics and Management* (2003-2007).

Program Committee, Association of Environmental and Resource Economists (2002-2006). (This three-person committee selects papers for two AERE sessions at the ASSA and AEA annual meetings.)

Proposal Reviewer, U.S. Environmental Protection Agency, Corporate Environmental Behavior: Examining the Effectiveness of Government Interventions and Voluntary Initiatives (2000), and Valuation of Environmental Impacts on Human Health (2001).

Proposal Reviewer, National Science Foundation, Environmental Decision Making and Valuation (1999).

Alternate, U.S. Environmental Protection Agency’s Children’s Health Protection Advisory Committee (1999-2000).

Lecturer, Executive Education Program, Environmental Economics and Policy Work (for professionals in developing countries), John F. Kennedy School of Government, Harvard University (1994-1998).

Lecturer, Executive Education Program, Environmental Economics Workshop (for professionals).

Lecturer, PPIA Program (for minority students bound for graduate school), University of California at Berkeley (2003).

## **DOCTORAL DISSERTATION COMMITTEES**

1. German Fermo*	Economics Department	Ph.D. Completed 1999
2. Andres Lerner*	Economics Department	Ph.D. Completed 1999
3. Lea-Rachel Kosnik*	Economics Department	Ph.D. Completed 2002
4. Manrique Saenz*	Economics Department	Ph.D. Completed 2001
5. Bowman Cutter*	Economics Department	Ph.D. Completed 2001
6. Jae-seung Lee	Economics Department	Ph.D. Completed 2003
7. Matthew Neidell	Economics Department	Ph.D. Completed 2003
8. Jurens Meinecke	Economics Department	Ph.D. Candidate

9. Ryan Vaughn	Economics Department	Ph.D. Candidate
10. Mitzy Taggart	Environ. Sci & Engin. Department	Ph.D. Completed 2002
11. Monique Meyers	Environ. Sci & Engin. Department	Ph.D. Completed 2003
12. Felicia Federico	Environ. Sci & Engin. Department	Ph.D. Completed 2006
13. Kathleen Shaver	Public Health Sci. Department	Ph.D. Candidate
14. Christian B. Jensen	Political Science Department	Ph.D. Completed 2004
15. Jeeyang Rhee Baum	Political Science Department	Ph.D. Completed 2002
16. Eric Sussman	Political Science Department	Ph.D. Completed 2005
17. Perla Atiyah	School of Public Health	Ph.D. Completed 2007
18. Cari Coe	Political Science Department	Ph.D. Completed 2007
19. Dan Chatman	Urban Planning Department	Ph.D. Completed 2005
20. Hiro Iseki*	Urban Planning Department	Ph.D. Completed 2004
21. Jan Mazurek*	Urban Planning Department	Ph.D. Completed 2008
22. Michael Manville	Urban Planning Department	Ph.D. Completed 2009
23. Nadim Ouladi	School of Public Health	Ph.D. Completed 2012
24. Nicholas Narin-Birch	School of Public Health	Ph.D. Completed 2012
25. Victor Rigor Vasquez	Environ. Sci & Engin. Department	Ph.D. Completed 2013
26. Tamanna Rahman	School of Public Health	Ph.D. Candidate
27. Rongzhang Wang	Economics Department	Ph.D. Candidate
28. Zita Lai Ting Yu	Chemical Engineering	Ph.D. Candidate

\*Co-chair of Doctoral Committee

## **SELECTED ACADEMIC PRESENTATIONS**

Conjoint Analysis in Health Economics Meetings (2010)  
UC San Diego, Economics (2008)  
Stanford University, Law School (2004)  
University of Southern California, Law School (2004)  
Choice Symposium (2001, 2004)  
NBER, Environment and Public Economics (2003)  
University of California at San Diego, Political Science Department (2003)  
Georgetown University, Law School (2003)  
Colorado University, Economics Department (1999, 2003)  
North Carolina State University, School of Agriculture and Natural Resources (2003)  
University of Maryland, Department of Agriculture and Natural Resources (2003)  
University of San Diego, Law School (2003)  
University of North Carolina at Chapel Hill, Department of Public Policy (2002)  
Stanford University, Graduate School of Business (2002)  
Harvard University, Environmental Economic Seminar (1996, 2002)  
Environmental Protection Agency Workshop (November 2001, 2002, 2003)  
UCLA, Marschak Lecture Series (2001)  
Association of Public Choice Meetings (2001)  
Allied Social Sciences Association (Annual Economics Conferences) (1998, 1999, 2001, 2002, 2004)  
University of California at Irvine, Political Economy Series (2000)  
University of California at Berkeley, Symposium on Choice (2000)  
Association of Public Policy and Management Biannual Conference (1998)

University of California at Santa Barbara, Workshop on Environmental Economics (1998, 2001, 2003)  
UCLA Department of Economics (1998)  
UCLA School of Public Policy and Social Research, All-School Seminar (1997)  
Association of Environmental and Resource Economists Workshop (1996, 2000)

## **POLICY-RELATED WORK**

### **SELECTED REPORTS, WORKING PAPERS, AND PUBLISHED ABSTRACTS**

- Evaluating Improvements in the Portfolio and Quality of Recreational Sites in Guatemala and Costa Rica. *Development Discussion Paper Series*, Harvard Institute for International Development, Harvard University (in Spanish) (with L. Monestel). (1999)
- On the Consumption of Managed and Natural Quality at National Parks in Central America. *Development Discussion Paper Series*, Harvard Institute for International Development, Harvard University (in Spanish) (with L. Monestel). (1999)
- Measuring and Managing the Demand for Urban Environmental Infrastructure in Transitional Economies: A Case Study of Iasi, Romania. *Environmental Discussion Paper Series*, Harvard Institute for International Development, Harvard University. (1997)
- La importancia de las áreas protegidas en el desarrollo del turismo en Costa Rica: Evidencia sobre el comportamiento del gasto de los turistas nacionales y extranjeros. Harvard Institute for International Development, Harvard University (with L. Monestel). (1998)
- Evaluación de la calidad de lugares recreativos y preferencias por lugares y actividades recreacionales: La perspectiva de los turistas nacionales y extranjeros sobre las áreas protegidas públicas de Costa Rica. Harvard Institute for International Development, Harvard University (with L. Monestel). (1998)
- On the level of and demand for environmental quality in Asia. Background Paper for the Asian Development Bank, Harvard Institute for International Development. (1996)
- Full resource cost pricing: A study of water and wastewater management in Phuket, Thailand. Thailand Development Research Institute (with others). (1995)
- Green finance: A case study of Khao Yai National Park. Thailand Development Research Institute and Harvard Institute for International Development (with others). (1994)
- Water supply and demand in Palestine in the years 1990, 2010 and 2020. Applied Research Institute of Jerusalem with technical assistance by the Harvard Institute for International Development (with others). (1994)
- Towards a new paradigm of policy formulation for non-point source pollution: The role of submarine groundwater discharge. In *American Water Resources Association Symposium Proceedings*, Raleigh, NC (with R. A. Purdy). (1992)
- The correlation between nitrate concentrations in groundwater and adjacent surface water. In *Collected Abstracts of the Virginia Water Resources Forum* (with R. A. Purdy and G. H. Johnson). (1991)
- The effect of tidal oscillations in the James River on adjacent groundwater configuration and quality. In *Collected Abstracts of the Virginia Water Resources Forum* (with R. A. Purdy and G. H. Johnson). (1989)
- The influx and movement of nitrogen in groundwater in an agricultural setting. In *Collected Abstracts of the Virginia Water Resources Forum* (with R. A. Purdy and G. H. Johnson). (1989)

## **SELECTED POLICY PRESENTATIONS**

National Congress of Tourism, San José, Costa Rica (September 1998), Counting the Economic Benefits Generated by Protected Areas in the Costa Rican Economy.

Association of Environmental Non-governmental Organizations of Guatemala, Guatemala City, Guest Lecturer (June 1998), Capturing the Benefits of Tourism for Local Communities: An Agenda for the Future.

Institute for Anthropology and History, Minister of the Interior, Copán, Honduras, Guest Lecturer (December 1997), On the Role of National Parks in Local Economic Development.

Ministerial Conference on National Park Management, Alajuela, Costa Rica (September 1997), Strategies for Improving Private-Public Partnerships in National Parks (Attended by all Ministers of Environment in Central America and U.S. Secretary of Interior, Bruce Babbitt).

Environment and Economics Program for Southeast Asia, Singapore, Invited Speaker (1997), Single-site Travel Cost Models: An Application to Khao Yai National Park.

## **PROFESSIONAL POLICY EXPERIENCE**

**Urban/Environmental Economist**, Harvard Institute for International Development

- Central American Project. Designed and managed a study to estimate the supply of, and demand for, environmentally based recreational experiences in Central America. (May 1997 – June 2000)
- Asian Development Bank. Prepared a background paper on the demand for improved environmental quality (air, water, and recreational services) in Asia. (May 1996 – October 1996)
- Iasi, Romania. Designed and managed a study which sought to value and improve municipal water, wastewater, and solid waste services. (February 1995 – June 1996)
- Phuket, Thailand. Estimated the cost of water supply and wastewater treatment, performed a market analysis of household and hotel demand, and conducted a risk assessment and cost/benefit analysis of capacity expansion projects. (November 1994 – May 1995)
- Khao Yai National Park, Thailand. Employed the contingent valuation and travel cost methods to determine ways to increase producer and consumer surplus through improved park management. (December 1993 – June 1994)
- West Bank and Gaza, Occupied Territories. Estimated the quantity and average unit cost of annually renewable water and projected water demand for domestic, industrial and agricultural users in the West Bank and Gaza through the year 2020 for negotiations between the Palestinians and Israelis. (November 1993 – March 1994)

**Economic Valuation Advisor**, National Wildlife Federation/Northeast Resource Center  
Advised the Federation on the use of environmental valuation techniques to value water-based recreation in New England and in FERC relicensing litigation. (October 1994 – September 1996)

**Economist**, The World Bank

Evaluated the infrastructure investment policies of the Philippines and the World Bank in terms of revenue sustainability, efficient use of water resources, and economic efficiency. (May 1994 – September 1994)

**Hydrogeologist**, OHM Services Corporation, Richmond, Virginia

Carried out Superfund and RCRA remedial investigations and feasibility studies, permitting procedures for effluent release, risk assessments, and corrective action plans. (September 1990 – July 1991)

**Hydrogeologist**, United States Geological Survey/Water Resources Division, Richmond, Virginia

Designed and implemented a project to determine the extent of groundwater contamination to evaluate the need for centralized sewer and water systems in coastal Virginia. (May 1989 – August 1989)

## **POLICY ADVISING AND CONSULTING**

**U.S. Government Agencies:** Environmental Protection Agency, Department of Interior, National Oceanic and Atmospheric Administration, National Science Foundation, United States Agency for International Development, United States Geological Survey, Department of Energy, U.S. Forest Service.

**California and Los Angeles Government Agencies:** California Governor's Office, Los Angeles Mayor's Office, Southern California Association of Governments, Los Angeles Department of Water and Power, California Energy Commission, California Environmental Protection Agency, South Coast Air Quality Management District, California Air Resources Board.

**International Development and Lending Organizations:** United Nations, UNEP, World Bank, European Union, Central American Bank for Development and Integration, Inter-American Development Bank, Asian Development Bank, Shell Oil Company.

**Foreign Governments:** Canada, Thailand, Romania, Kenya, Guatemala, Costa Rica, El Salvador, Honduras, Nicaragua, Philippines, Israel and the Palestinian Authority.

**Foundations and Non-profits:** Tinker Foundation, McArthur Foundation, Ford Foundation, National Wildlife Federation, The Nature Conservancy, RARE, Catholic Relief Service, Los Angeles Business Council, Edison International Foundation, Environmental Defense Fund, Gilbert Foundation.

## **SCHOLARLY AND PROFESSIONAL ACTIVITY**

Associate Member, UCLA Center for Occupational and Environmental Health (COEH), (2016)

Speaker, UCLA Anderson, Shanghai Municipal Executive Education Program (2012, 2013)

Speaker, 2012 Economic Summit "The American Dream in the 21<sup>st</sup> Century: Jobs, the Economy & Moving Forward." (2012)

Speaker, Southern California Conference in Applied Microeconomics (2012)

Speaker, UCLA Institute of the Environment: Luskin Lunch Research Seminar (2010, 2011, 2012, 2013)

Panel Moderator, UCLA Environmental Justice Workshop (2011)

Speaker, Air Quality Management District Technology Symposium (2011)

Speaker, Institute of Medicine/Integration of Environment Public Health & Economics (2011)

Speaker, UCLA Arrowhead Symposium (2010, 2011)

Panel Member, National Water Research Institute Reliability Project Review Committee (2011)

Speaker, Young Professionals in Energy (2010)

Speaker, Los Angeles Business Council Solar Leadership Roundtable (2010)

Speaker, Los Angeles Business Council Solar Forum (2010)

Speaker, Los Angeles Business Council Sustainability Summit (2010, 2011)

Panel Member, Los Angeles Business Council: The Future of Green Building and Development (2010)  
Speaker, Climate Change Developments, 24th Annual Los Angeles County Bar Association Environmental Law Super Symposium (2010)  
Speaker, Webinar – InterSolar North America (2010)  
Speaker, UCLA, Measuring Progress Towards Transportation GHG Goals (2010)  
Panel Member, USC’s Keston Institute’s “Pricing and Social Equity: An Unplugged Conversation with the Experts” (2010)  
Panel Member, The Resnick Institute: Sustainable Energy & Institute Forum (2010)  
Speaker, UCLA Luskin School of Public Affairs: Environmental Speaker Series (2009)  
Speaker, Leon Hoffman Urban Technology Conference (2009)  
Panel Member, UCLA International Institute: Greening Conference (2009)

## **OTHER PROFESSIONAL ACTIVITY**

Expert Speaker, “How to Redesign PEV Rebates for California?” Joint Workshop & Webinar of the Southern California Clean Cities Coalition and Plug-in Electric Vehicle Coordinating Council sponsored by the Southern California Association of Governments. (2014)  
Expert Speaker, “What Spain’s Experience with the Feed-in Tariffs Means for California.” 2014 Aspen Accord Study & Discussion Tour in Barcelona, Spain. Sponsored by the Energy Coalition. (2014)  
Panel Moderator, “Social Interaction & Citizen Participation” UCLA Luskin School of Public Affairs’ Conference: *Who Owns the Digital City?* (2014)  
Speaker, South Bay Cities Council of Governments’ Annual General Assembly (2014)  
Panel Moderator, “Global Water Management by 2050: Regional and National Solutions” US-Australia Water Conference (2014)  
Panel Member, “Water Resources Economics and the Value of Water Reliability” NWRI Clarke Prize Conference (2013)  
Panel Moderator, City of Santa Monica AltCar Exposition & Conference (2012, 2013)  
Panel Member, Los Angeles Business Council’s Annual Sustainability Summit (2013, 2014)  
Expert Panel Member, UCLA Anderson TED Talks Week, Elon Musk Talk (2013)  
Panel Member, 11<sup>th</sup> Annual Southern California Transportation Summit/Mobility 21 Panel (2012)  
Panel Member, The Mediterranean City Conference’s “The Built Environment.” (2012)  
Speaker, EVS26 Symposium (2012)  
Panel Moderator, World Electric Vehicle Cities and Ecosystems conference (2012)  
Speaker, Complete Streets for Los Angeles (2011, 2012)  
Panel Moderator, The Future of Water in Southern California conference (2012)  
Panel Member, E-Mobility: The Future of the Automobile (2011)  
Speaker, Mayoral Housing, Transportation & Job Summit (2010, 2011)  
Panel Member, Governor’s Energy Conference (2011)  
Speaker, The Contributions of Latino-Owned Businesses to the Economy of Greater Los Angeles (2009)  
Panel Member, Focus the Nation (Climate Change Initiative) (2008)  
Panel Member, Pardee Rand Graduate School Symposium: Beyond Health Insurance (2007)