

# Scott Elliot Lowe

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## Education

Ph.D., 2006, Environmental Science and Management, University of California, Santa Barbara  
MESM, 2001, Environmental Science and Management, University of California, Santa Barbara  
M.S., 1997, Economics, Oregon State University  
B.A., 1992, Economics and Environmental Studies, University of California, Santa Barbara

## Appointments

2011—                    **Associate Professor**, Department of Economics, Boise State University;  
Environmental Studies Program Faculty Affiliate

2006—2010            **Assistant Professor**, Department of Economics, Boise State University;  
Environmental Studies Program Faculty Affiliate

## Research

### Articles in Refereed Journals

1. “Climate Variability and Water Infrastructure: Historical Experience in the Western United States” (with Zeynep Hansen and Gary D. Libecap), in National Bureau of Economic Research: *The Economics of Climate Change: Adaptations Past and Present*, Gary Libecap and Richard Steckel, eds. 2011, University of Chicago Press, Chicago and London.
2. “City-Level Effects of the 1990 Clean Air Act Amendments” (with Maximilian Auffhammer and Antonio Bento), *Land Economics*. 87(1): 1-18. 2011
3. “Impact of Air Quality Regulations on Entrepreneurial Activity” (with Samia Islam), *Southern Journal of Entrepreneurship*. 2:71-95. 2009
4. “Housing Market Effects of Inclusionary Zoning” (with Antonio Bento, Gerrit-Jan Knaap and Arnab Chakraborty), *Cityscape*. 11(2): 7-26. 2009
5. “Measuring the Effects of Environmental Regulations: The critical importance of a spatially disaggregated analysis” (with Maximilian Auffhammer and Antonio Bento). *Journal of Environmental Economics and Management* 58:15-26. 2009
6. “The Economic Value of the Greater Yellowstone’s Blue-Ribbon Fishery” (with Joe Kerkvliet and Cliff Nowell). *North American Journal of Fisheries Management*. 22 (2): 418-424. 2002

### Monographs, Reports, and Extension Publications

7. "Economic Effects of Inclusionary Zoning" (with Antonio Bento and Gerrit Knaap), in *Housing Affordability Research and Resources: An Analysis of Inclusionary Zoning and Alternatives*, National Association of Home Builders. February 2008
8. "Housing Market Impacts of Inclusionary Zoning Programs" (with Antonio Bento and Gerrit Knaap), *National Center for Smart Growth Research and Education*. January 2008
9. "Forming Coalitions for Cleaner Air" (with Antonio Bento and Maximilian Auffhammer). *Giannini Foundation of Agricultural Economics Update* 8(5): 5-7. 2005
10. "The Economic Value of a Predator: Yellowstone Trout" (with Joe Kerkvliet and Cliff Nowell). *Proceedings of the Third Biennial Conference on the Greater Yellowstone Ecosystem*. 143-150. 1995

### Research Under Review, Working Papers and Work in Progress

11. "Online Texts and Conventional Texts: Estimating, Comparing and Reducing the Greenhouse Gase Footprint of Two Tools of the Trade" *in submission* – *Decision Sciences Journal of Innovative Education* (with Tom Gattiker and Regis Terpend) (June 2011)
12. "The Determinants of Credit Allocations in a Market-based Trading System: Evidence from the RECLAIM Program" (with Antonio Bento and Emeric Henry) *in submission* (August 2011)
13. "The Political Economy of Major Water Infrastructure Investments in the Western United States" (with Zeynep Hansen and Gary D. Libecap) (August 2011)
14. "Environmental Disasters: Floods and Investments in Major Water Infrastructure in the Western United States" (with Zeynep Hansen and Gary D. Libecap) (August 2011)
15. "The Impacts of National Ambient Air Quality Standards on the Improvements in Federal Ozone Concentrations" *working paper* (with David Herberich) (August 2011)
16. "Entrepreneurial Activity in a Changing Climate" *working paper* (with Samia Islam) (August 2011)
17. "Electronic Textbooks and Student Learning Outcomes" (April 2011)
18. "Autonomous Wireless Sensor Network Infrastructure for Air Quality and Education" (with Sin Ming Loo and Sondra Miller) (June 2010)
19. "Commercial Responses to Energy Efficiency Audits: A Case Study in Boise, Idaho" (February 2010)
20. "A Coupled Econometric and Remote-Sensing Model of Land-Use Change in Response to Uncertain Water Availability and the Allocation of Water Rights" (with Kelly Cobourn, Sian Mooney, Lejo Flores and Wenchao Xu) (August 2010)

### **Contracts and Grants**

#### Grants Awarded:

1. National Science Foundation / Idaho EPSCoR RII: Undergraduate Research Support, (2011) \$5,000
2. Boise State University College of Business and Economics Summer Research Grant; Grant topic: “Electronic Texts versus Conventional Texts: Student’s Purchase Decisions, Utilization Patterns, Learning Outcomes and Environmental Impacts”, (2010) \$14,000
3. Boise State University College of Business and Economics Summer Research Grant; Grant topic: “The Impact of Energy Rates on Entrepreneurial Activity”, (2010) \$14,000
4. Boise State University College of Business and Economics Summer Research Grant; Grant topic: “The Political Economy of Major Water Infrastructure Investments in the Western United States”, (2010) \$14,000
5. National Science Foundation / Idaho EPSCoR RII: Undergraduate Research Support, (2010) \$10,000
6. National Science Foundation / Idaho EPSCoR RII: Water Resources in a Changing Climate: Integration of Hydrology and Economic Modeling in the Snake River Plain, (2008-2014) total: \$15M (personal: \$243,225)
7. National Science Foundation / Idaho EPSCoR RII: Undergraduate Research Support, (2009) \$12,000
8. Boise State University College of Business and Economics Research Grant, (2009) \$6,000
9. Boise State University Faculty Office of Research Administration Research Grant, (2007-2008) \$4,051
10. Boise State University Faculty Research Associates Program, (2007-2008) \$2,786
11. National Homebuilders Association (with Antonio Bento and Gerrit Knapp); Grant topic: “The Effects of Inclusionary Zoning Policies on Housing Supply and Affordability in California”, (2006) \$98,000
12. University of California Transportation Center Doctoral Dissertation Grant; Grant topic: “Valuing the Benefits of Reductions in Cancer Risk from Mobile-Source Air Toxics: A Regression Discontinuity Approach”, (2005-2006) \$8,000
13. University of California Toxic Substances Research and Teaching Program Research Grant; Grant topic: “Delegation of Power, Lobby Formation and the Implementation of the 1990 Clean Air Act Amendments”, (2003-2005) \$40,000

### **Professional Papers, Presentations and Panel Discussions (2003-2010)**

Allied Social Science Association 2011  
 Pacific Northwest Climate Science Conference 2010  
 Boise State University National Science Foundation Day 2010  
 Boise State University Center for Teaching and Learning Brown Bag 2010  
 National Bureau of Economic Research (NBER) 2010, 2009, 2008  
 Osher Lifelong Learning Institute 2010  
 Idaho EPSCoR Annual Meeting 2009, 2008  
 North American Water Resources Association 2009  
 Idaho Water Resources Seminar 2009  
 The Business of Climate change: Creating Value with Climate Change Strategies 2009, 2008  
 Idaho Public Health Association 2008  
 Treasure Valley Supply Executive Forum 2008  
 Focus the Nation 2008

10<sup>th</sup> Occasional Environmental Economics Conference 2008, 2005, 2003  
Environmental Sensing Symposium 2007  
3<sup>rd</sup> World Congress 2007  
National Academy of Science 2007  
Boise State University Economics Department Seminars 2008, 2007(2)  
San Jose State University 2006  
University of California, Berkeley 2005  
Camp Resources 2005, 2004  
University of California Toxic Substances Research & Teaching Program 2005, 2004  
Western Economic Association International 2003  
Greening California Conference 2003

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

*Referee Work: Journal of Environmental Economics and Management, Energy and Resource Economics, Water Management, Perspectives on Economics Education Review*

### University Service (Current)

1. BSU Foundations Program – Social Sciences Chair (2011)
2. BSU Faculty Senate – Graduate College Senator (2010-2012)
3. BSU University Research Working/Advisory Group with the V.P.R. (2009-2011)
4. COBE Representative to the CORE Curriculum Restructuring Task Force (2008-2011)
5. Economics Department Master's Committee (2007-2011)
6. BSU Environmental Student's Association Advisor (2009-2011)

### Community Service (Current)

1. Small Business Development Center -- Energy Evaluation Program
2. Community Planning Association of Southwest Idaho (COMPASS) – Public Participation Committee

## **Work Experience**

2001-2006	University of California, Santa Barbara, Research Assistant
1998-1999	Talarian Corporation, Senior Sales Consultant
1995-1998	Rogue Wave Software, Inc., OEM/VAR Sales Manager
1993-1995	Oregon State University, Graduate Research Assistant
1991-1992	Santa Barbara County Association of Governments, Planning Technician Intern