

**Curriculum Vitae**  
**Aaron Strong**  
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**Citizenship:** USA

**Contact:**

RAND Corporation  
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**Education:**

Ph.D. Economics, University of Colorado, Boulder, 2004  
MA Economics, University of Colorado, Boulder, 2001  
MS. Applied Mathematics, University of Colorado, Boulder, 1998  
BA Mathematics, Luther College, Decorah, IA, 1996

**Fields of Research Interest:** Environmental and Resource Economics, Urban Economics

**Graduate School Fields:** Industrial Organization and Econometrics

**Positions:**

2015 – Present: Economist, RAND Corporation  
2010 – 2015: Assistant Professor, School of Urban and Regional Planning and Public Policy Center, University of Iowa  
2010 – 2015: Adjunct Assistant Professor, Department of Economics, University of Iowa  
2013 – 2015: Assistant Research Scientist IIHR – Hydrosience and Engineering, University of Iowa  
2008 – 2010: Assistant Professor, Department of Economics and Finance, University of Wyoming  
2009 – 2011: Research Associate, Institute for Behavioral Studies, University of Colorado  
2006 – 2008: Post-doctoral Research Associate, Center for Environmental Economics and Sustainability Policy, Department of Economics, Arizona State University  
2005 – 2006: Post-doctoral Research Associate, G8 Legacy Chair in Wildlife Ecology, University of Calgary, Alberta, Canada

**Publications:**

RAND Publications:

Mulcahy, Andrew, Simon Hollands, Erin Duffy, Aaron Strong, and Barbara Wynn, 2017, *Modeling the Economic Impact of a California Workers' Compensation Formulary*, RR-1971-DIR, RAND Corporation.

Bond, Craig, Aaron Strong, Nicholas Burger, and Sarah Weiland, 2017, *Guide to the Resilience Dividend Valuation Model*, RR-2130-RF, RAND Corporation.

Bond, Craig, Aaron Strong, Nicholas Burger, Sarah Weiland, Uzaib Saya, and Anita Chandra, 2017, *Resilience Dividend Valuation Model: Framework Development and Initial Case Studies*, RR-2129-RF, RAND Corporation.

Gonzales, Daniel, Timothy Gulden, Aaron Strong, and William Hoyle, 2016, "Cost-Benefit Analysis of Proposed California Oil and Gas Refinery Regulations," RR-1421-DIR, RAND Corporation.

Scobell, Andrew, Bonny Lin, Howard Shatz, Michael Johnson, Larry Hanauer, Michael Chase, Astrid Cevallos, Ivan Rasmussen, Samuel Berkowitz, Arthur Chan, Aaron Strong, and Eric Warner, 2016, *China in the Developing World*, PR-2185-A, RAND Corporation.

Barnes, Stephen, Craig Bond, Nicholas Burger, Kata Anania, Aaron Strong, Sarah Weiland, and Stephanie Virgets, 2015, "Economic Evaluation of Coastal Land Loss in Louisiana," <http://coastal.la.gov/wp-content/uploads/2015/12/LSU-Rand-Report-on-Economics-of-Land-Loss.pdf>

Refereed Journal Articles:

Barnes, Stephen R.; Bond, Craig; Burger, Nicholas; Anania, Kate; Strong, Aaron; Weiland, Sarah; and Virgets, Stephanie, 2017, "Economic Evaluation of Coastal Land Loss in Louisiana," *Journal of Ocean and Coastal Economics*: Vol. 4: Iss. 1, Article 3. DOI: <https://doi.org/10.15351/2373-8456.1062>

Eric Tate, Aaron Strong, Travis Kraus, and Haoyi Xiong, 2016, "Flood Recovery and Property Acquisition in Cedar Rapids, Iowa" *Natural Hazards* 80 (3): 2055-2079.

Aaron Strong and Christopher Goemans, 2015, "The Impact of Real-time Information of Residential Water Demand," *Water Resources and Economics* 10:1-13.

Aaron Strong and Christopher Goemans, 2014, "Quantity Uncertainty and Demand: The Case of Water Smart Reader Ownership," *B.E. Journal of Policy Analysis and Economics* 14(3): 669-694.

Aaron Strong and Matthew Oliver, 2014, "General Equilibrium Ecosystem Modeling with Alternative Preference Specifications," *Natural Resource Modeling* 27(2):197-215.

Gabriele Villarini and Aaron Strong, 2014, "Roles of Climate and Agricultural Practices in Discharge Changes in an Agricultural Watershed in Iowa," *Agriculture, Ecosystems and Environment* 188:204-211.

- H. Allen Klaiber, V. Kerry Smith, Michael Kaminsky and Aaron Strong, 2014  
“Measuring Price Elasticities for Residential Water Demand with Limited Information” *Land Economics* 90(1):100-113.
- Aaron Strong, 2013, “Measuring Environmental Quality: Ecosystem Services or Human Health Effects,” *Journal of Agricultural and Resource Economics* 38(3): 344-358.
- Aaron Strong, 2012, “Species Specific Recreation Demand: The Case of Trout Fishing in Alberta” *Journal of Natural Resource Policy Research* 4(2): 121-130
- Aaron Strong, John Tschirhart and David Finnoff, 2011, “Is Economic Growth for the Birds?” *Ecological Economics* 70(7): 1375-1380.
- Aaron Strong and V. Kerry Smith, 2010, “Reconsidering the *Economics* of Demand Analysis with Kinked Budget Constraints,” *Land Economics* 86(1): 173-190.
- David Finnoff, Aaron Strong, and John Tschirhart, 2008, “Stocking Regulations and the Spread of Invasive Species” *American Journal of Agricultural Economics* 90(4): 1074-1090.
- Aaron Strong and Randall Walsh (2008), “Communities, Competition, Spillovers and Open Space” *Land Economics* 84(2): 169-187.
- Aaron Strong and Nicholas Flores (2008), “Estimating the Economic Benefits of Acidic Rock Drainage Clean Up Using Cost Shares” *Ecological Economics* 65(2): 348-355.
- Nicholas Flores and Aaron Strong (2007), “Cost Credibility and the Stated Preference Analysis of Public Goods” *Resource and Energy Economics* 29(3): 195-205.
- Refereed Book Chapters:
- V. Kerry Smith, Carol Mansfield and Aaron Strong (2014), ”How Should the Health Benefits of Food Safety Programs be Measured” in *Preference Measurement in Health*, Glenn Bloomquist and Kristian Bolin eds.
- Olena Ivus and Aaron Strong (2007), “Modeling Approaches to the Analysis of International Trade Policy: Computable General Equilibrium and Gravity Models” in *Handbook of International Trade Policy*, James Gaisford and William Kerr eds., Edward Elgar Press.
- Reports:**
- Aaron Strong, Nikhil Sikka, and Lindsay Salvatore, 2012, Transportation Impacts of a Chicago River Closure due to Asian Carp Infestation, Mid-American Transportation Center Report # MATC\_UI: 477.

## **Contracts and Grants:**

### Funded Projects as PI:

“Landscape Survey to Support RAPID Apex National Flood Decision Support Toolbox,”  
UNC – DHS Coastal Resilience Center, \$199,592.

“Economic Trade-offs Between Surface Water Quality and Groundwater Level for  
Municipal Drinking Water Supplies” Water Sustainability Seed Grant, University  
of Iowa, \$5,756.

“Flood Recovery in Cedar Rapids” Water Sustainability Initiative Seed Grant, University  
of Iowa, \$6,418.

“Understanding the Effects of Weatherization on Energy Consumption” Iowa Center for  
Undergraduate Research, \$2,500

“Transportation Impacts of a Chicago River Closure due to Asian Carp Infestation” Mid-  
American Transportation Center, \$50,598

### Funded Projects as Co-PI:

“Decision Processes, Climate Change, and Water Resources in the Agricultural Midwest” Water  
Sustainability and Climate, NSF, 2014. Total Budget: \$599,383

“Development of a Framework for Discharge Forecasting over Iowa” Iowa Water Center,  
2014. Total Budget: \$59,929.

“Ecosystem Management of Regionally Abundant Invasive Weeds in an Era of Global  
Environmental Change,” National Research Initiative Competitive Grants  
Program Award from the Biology of Weedy and Invasive Species in  
Agrosystems, Cooperative State Research, Education, and Extension Services,  
USDA, 2008. Total Budget: \$499,851.

“Recreational Impacts of a Mississippi River Diversion in Louisiana” Funded through the  
Center for Earth System Dynamics.

## **Honors and Awards:**

RAND Bronze Medal	2016
Outstanding Junior Faculty Research Award College of Business, University of Wyoming	2008
Carbon, Climate and Society Initiative Fellowship, NSF - IGERT	2001-2003
James C. Campbell Fellowship	2002
Presidential Scholarship, Luther College	1994-1996

## **Papers Presented/Symposia/Invited Lectures/Professional Meetings/Workshops**

- 2016: Center for Natural Resource and Economic Policy, LSU  
2015: RAND Corporation  
2014: Forkenbrock Series, Public Policy Center, University of Iowa; Institute on Ecosystems, Montana State University; Iowa Association of Water Agencies; National Center for Environmental Economics, EPA; RAND Corporation  
2013: Adapting to Extreme Weather, Des Moines, Iowa  
2012: Water Sustainability Seminar, University of Iowa; Policy Matters, University of Iowa; Public Policy Center, University of Iowa; CU Environmental and Resource Workshop; Institute of Discovery, University of Wisconsin – Madison; Office of the Secretary, Department of Interior, Washington, D.C.  
2011: Department of Geography, University of Iowa, Department of Civil and Environmental Engineering, University of Iowa, Department of Geo-Sciences, University of Iowa  
2010: University of Iowa, Portland State University, CU Environmental and Resource Economics Workshop  
2009: Colorado State University, University of Colorado, CU Environmental and Resource Workshop  
2008: University of Wyoming, Appalachian State University, University of California – Davis, Utah State University, Eastern Washington University, University of Alberta  
2007: Arizona State University, CU Environmental and Resource Workshop, California State University – Long Beach  
2006: University of Wyoming, Boise State University  
2005: California State University – Long Beach, University of Calgary, CU Environmental and Resource Workshop  
2004: CU Environmental and Resource Workshop  
2003: Occasional Conference of Environmental Economics, CU Environmental and Resource Economics Workshop, American Association for the Advancement of Science  
2002: Camp Resources

### **Service:**

#### **Professional:**

- Associate Editor, *Journal of Natural Resources Policy Research* 2011-2014.  
Review Committee, Agricultural and Applied Economics Association annual meeting, 2011, 2012, 2013, 2014  
Review Committee, Association of Environmental and Resource Economists Summer Conference, 2011, 2012, 2013  
Review Committee, World Congress of Environmental and Resource Economists, 2014  
Reviewer, Israel Science Foundation, 2011

#### **Journal Reviews:**

*Journal of Environmental Economics and Management*

*Land Economics*  
*Economic Inquiry*  
*Journal of Agricultural and Resource Economics*  
*Ecological Economics*  
*Contemporary Economic Policy*  
*Canadian Journal of Agricultural Economics*  
*Journal of Water Resources Planning and Management*  
*Agricultural Economics*  
*Resource and Energy Economics*  
*Environmental Management*  
*Journal of Agricultural and Applied Economics*  
*Environmental Science and Technology*  
*Environmental and Resource Economics*  
*Journal of Water Resource Planning and Management*  
*Journal of Economic Behavior and Organization*

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