

Benjamin A. Jones

Curriculum Vitae

University of New Mexico
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Research Concentrations

Primary: Environmental Economics, Epidemiological/Health Dimensions of Environmental Economics
Secondary: Dynamic Optimization, Coupled Human and Natural Systems

Current and Past Affiliations

- 2017- Assistant Professor, Department of Economics, University of New Mexico
- 2017- Affiliated Faculty, National Institute for Risk & Resilience, University of Oklahoma
- 2021- Affiliated Faculty, Sustainability Studies Program, University of New Mexico
- 2021- Editorial Council, *Journal of Environmental Economics and Management*
- 2015-2016 Postdoctoral Researcher, Center for Energy, Security & Society, and Center for Risk & Crisis Management, University of Oklahoma
- 2011-2015 Doctoral Fellow, Robert Wood Johnson Foundation (RWJF) Center for Health Policy

Education

- Ph.D. Economics, The University of New Mexico, 2011-2015
- M.A. Economics, The University of New Mexico, 2011-2013
- B.A. Economics and Philosophy, The University of Texas at Austin, 2006-2009

Articles

Peer-Reviewed Journals

33. Jones, B.A. (in press). "Planting Urban Trees to Improve Quality of Life? The Life Satisfaction Impacts of Urban Afforestation." *Forest Policy and Economics*.
32. Wehde, W., J. Ripberger, H. Jenkins-Smith, B.A. Jones, J. Allan, and C. Silva. (2021). "Public Willingness to Pay for Continuous and Probabilistic Hazard Information." *Natural Hazards Review* 22(2): 04021004.
31. Jones, B.A. and R. Berrens. (in press). "Prescribed Burns, Smoke Exposure, and Infant Health." *Contemporary Economic Policy*.
30. Jones, B.A. (2020). "Labor Market Impacts of Deforestation Caused by Invasive Species Spread." *Environmental and Resource Economics* 77: 159-190.
29. Jones, B.A. (2020). "After the Dust Settles: The Infant Health Impacts of Dust Storms." *Journal of the Association of Environmental and Resource Economists* 7(6): 1005-1032.
28. Jones, B.A. and J. Fleck (2020). "Shrinking Lakes, Air Pollution, and Human Health: Evidence from California's Salton Sea." *Science of the Total Environment* 712: 136490.

27. Goodkind, A., Jones, B.A., and R. Berrens. (2020). "Cryptodamages: Monetary Value Estimates of the Air Pollution and Human Health Impacts of Cryptocurrency Mining." *Energy Research & Social Science* 59: 101281.
26. Jones, B.A. (2020). "Invasive Species Control, Agricultural Pesticide Use, and Infant Health Outcomes." *Land Economics* 96(2): 149-170.
25. Jones, B.A. (2019). "Infant Health Impacts of Freshwater Algal Blooms: Evidence from an Invasive Species Natural Experiment." *Journal of Environmental Economics and Management* 96: 36-59.
24. Jones, B.A. and A. Goodkind. (2019). "Urban Afforestation and Infant Health: Evidence from MillionTreesNYC." *Journal of Environmental Economics and Management* 95: 26-44.
23. Carlson, D., J. Ripberger, W. Wehde, H. Jenkins-Smith, C. Silva, K. Gupta, B.A. Jones, and R. Berrens (2019). "Cost-Benefit Analysis, Policy Impacts, and Congressional Hearings." *Journal of Benefit-Cost Analysis* 10(1): 65-94.
22. Jones, B.A. (2019). "Tree Shade, Temperature, and Human Health: Evidence from Invasive Species-Induced Deforestation." *Ecological Economics* 156: 12-23.
21. Jones, B.A. (2018). "Forest-Attacking Invasive Species and Infant Health: Evidence from the Invasive Emerald Ash Borer." *Ecological Economics* 154: 282-293.
20. Jones, B.A. and J. Fleck. (2018). "Urban Trees and Water Use in Arid Climates: Insights from an Integrated Bioeconomic-Health Model." *Water Economics and Policy* 4(4): 38pgs.
19. Jones, B.A., R. Berrens, H. Jenkins-Smith, C. Silva, J. Ripberger, and D. Carlson. (2019). "Inclusive Non-Market Valuation in Coupled Human and Natural Systems (CHANS): A Motivating Theory." *Journal of Environmental Economics and Policy* 8(1): 1-16.
18. Jones, B.A. (2018). "Willingness to Pay Estimates for Wildfire Smoke Health Impacts in the US using the Life Satisfaction Approach." *Journal of Environmental Economics and Policy* 7(4): 403-419.
17. Jones, B.A. and S. McDermott. (2018). "The Economics of Urban Afforestation: Insights from an Integrated Bioeconomic-Health Model." *Journal of Environmental Economics and Management* 89: 116-135.
16. Jones, B.A. (2018). "Spillover Health Effects of Energy Efficiency Investments: Quasi-Experimental Evidence from the Los Angeles LED Streetlight Program." *Journal of Environmental Economics and Management* 88: 283-299.
15. Jones, B.A. (2018). "Measuring Externalities of Energy Efficiency Investments using Subjective Well-Being Data: The Case of LED Streetlights." *Resource and Energy Economics* 52: 18-32.
14. Jones, B.A., R. Berrens, H. Jenkins-Smith, C. Silva, J. Ripberger, D. Carlson, K. Gupta, and W. Wehde. (2018). "In Search of an Inclusive Approach: Measuring Non-market Values for the Effects of Complex Dam, Hydroelectric and River System Operations." *Energy Economics* 69: 225-236.
13. Jones, B.A., J. Ripberger, H. Jenkins-Smith, and C. Silva. (2017). "Estimating Willingness to Pay for Greenhouse Gas Emission Reductions Provided by Hydropower using the Contingent Valuation Method." *Energy Policy* 111: 362-370.
12. Jones, B.A. and R. Berrens. (2017). "Application of an Original Wildfire Smoke Health Cost Benefits Transfer Protocol to the Western US, 2005-2015." *Environmental Management* 60(5): 809-822.
11. Jones, B.A. (2017). "Are We Underestimating the Economic Costs of Wildfire Smoke? An Investigation Using the Life Satisfaction Approach." *Journal of Forest Economics* 27: 80-90.
10. Jones, B.A. and S. McDermott. (2018). "Health Impacts of Invasive Species Through an Altered Natural Environment: Assessing Air Pollution Sinks as a Causal Pathway." *Environmental and Resource Economics* 71(1): 23-43.

9. Jones, B.A. (2017). “Invasive Species Impacts on Human Well-Being Using the Life Satisfaction Index.” *Ecological Economics* 134: 250-257.
8. Jones, B.A. (2017). “The Social Health Costs of Uranium Mining in the US Colorado Plateau Cohort, 1960-2005.” *International Journal of Public Health* 62(4): 471-478.
7. Carlson, D., J. Ripberger, H. Jenkins-Smith, C. Silva, K. Gupta, R. Berrens and B.A. Jones. (2016). “Contingent Valuation and the Policymaking Process: An Application to Used Nuclear Fuel in the United States.” *Journal of Benefit-Cost Analysis* 7(3): 459-487. 2016 Best Article Award.
6. Jones, B.A., S. McDermott and J. Chermak. (2016). “PLAN or get SLAM’ed: Optimal Management of Invasive Species in the Presence of Indirect Health Externalities.” *Journal of Environmental Management* 180: 538-550.
5. Jones, B.A., R. Berrens, H. Jenkins-Smith, C. Silva, D. Carlson, J. Ripberger, K. Gupta and N. Carlson. (2016). “Valuation in the Anthropocene: Exploring Preferences for Alternative Operations of the Glen Canyon Dam.” *Water Resources and Economics* 14: 13-30.
4. Jones, B.A. (2016). “Work More and Play Less? Time Use Impacts of Changing Ecosystem Services: The Case of the Invasive Emerald Ash Borer.” *Ecological Economics* 124: 49-58.
3. Jones, B.A., J. Thacher, J. Chermak and R. Berrens. (2016). “Wildfire Smoke Health Costs: A Methods Case Study for a Southwestern US ‘Mega-Fire.’” *Journal of Environmental Economics and Policy* 5(2): 181-199.
2. Jones, B.A. and S. McDermott. (2015). “Linking Environmental Management to Health Outcomes: A Case Study of the Emerald Ash Borer.” *Applied Economics Letters* 22(17): 1409-1414.
1. Jones, B.A. (2014). “What are the Health Costs of Uranium Mining? A Case-Study of Miners in Grants, New Mexico.” *International Journal of Occupational and Environmental Health* 20(4): 289-300. 2015 Editor’s Choice Article

Manuscripts with Revisions Requested

- “Violent Crime and Dust Storms.” [revisions requested, *Journal of Environmental Economics and Management*].

Working Papers

- “Lookout Below! Downstream Infant Health Impacts of Mining Waste Water Disasters.” [working paper]
- “Prescribed Burning or Mechanical Thinning? Investigating Alternative Wildfire Fuel Management Inclusive of Smoke-Induced Health Impacts.” (with S. McDermott) [working paper].
- “Infant Health Outcomes in Mega-Fire Affected Communities.” (with S. McDermott) [working paper].
- “Mountain Pine Beetle Impacts on Human Mortality and Morbidity Through Lost Forest Air Pollutant Sinks.” [working paper].
- “Determinants of Demand Response Program Participation: Contingent Valuation Evidence from a Smart Thermostat Program.” (with J. Kaczmarek and J. Chermak) [working paper].
- “Are Bugs Causing Sedentary Lifestyles? The Impacts of Invasive Species Spread on Obesity and Physical Activity.” [working paper].

Book Chapters, Conference Proceedings, and Other Publications

4. Jones, B.A. (2020). “Chapter 8: Happiness and Forest-Attacking Invasive Alien Species.” In D. Maddison, K. Rehdanz, and H. Welsch (Eds.), *Handbook of Well-Being, Happiness and the Environment*. Edward Elgar Publishing.

3. Jones, B.A. and R. Berrens. (2017). “When there’s Fire there’s Smoke: Linking Wildfire to Distant Urban Airsheds. A 10 Year Health Economic Assessment of the Western, US, 2005-2014.” *Proceedings of the 5th International Fire Behavior and Fuels Conference*, April 11-15, 2016, Portland, OR, USA. International Association of Wildland Fire.
2. Jenkins-Smith, H., Silva, C., Carlson, D., Gupta, K, Jones, B.A., Ripberger, J., Wehde, W., and R. Berrens. (2016). Estimating Non-Use Values for Alternative Operations of the Glen Canyon Dam: An Inclusive Value Approach. Phase 3B Project Research and Findings. University of Oklahoma, Center for Energy, Security, & Society.
1. Jones, B.A., J. Thacher, J. Chermak and R. Berrens. (2016). “Wildfire smoke health costs: A methods case study.” *Proceedings of the 13th International Wildland Fire Safety Summit & 4th Human Dimensions of Wildland Fire Conference*, April 20-24, 2015, Boise, ID, USA. International Association of Wildland Fire.

Research Funding and Related Activities

External and Internal Funding

- “Forests to Airsheds: Investigating Wildfire Smoke Exposure as a Financing Mechanism for Wildfire Risk Mitigation.” UNM Research Allocations Committee (RAC) Internal Grant. B.A. Jones (PI). 2021-2022. \$3,575 [direct].
- “The New Mexico SMART Grid Center: Sustainable, Modular, Adaptive, Resilient, and Transactive.” National Science Foundation EPSCoR Track 1. William Michener (PI), Anne Jakle (Co-PI). B.A. Jones (Investigator in Economics over 2018-2020 period). Award OIA-1757207. 2018-2023. \$561,070 [direct].

Grant Reviewer Activities

- EPA STAR Grant, Strategies to Reduce Health Risks of Wildland Fire Smoke Exposure (February 2021); Northern Arizona University, School of Forestry, Mission Research Board (October 2018); UNM GPSA, Graduate Student Research Grants (2014 & 2015)

Teaching Experience

Graduate: Natural Resource, Environmental, and Ecological Modeling I; Mathematical Tools and Economics Models; Water Resources Models; Contingent Valuation Survey Design, Administration, and Analysis in Environmental Economics

Undergraduate: Principles of Microeconomics; Intermediate Microeconomics; Natural Resource Economics; Mathematical Economics; Advanced Microeconomics

Trainings: Creating a Welcoming and Supportive Online Environment (2020); Online Course Design Institute (2020)

Press and Media Attention

2020 *The Los Angeles Times*, April 23, 2020 ([Link](#))

2019 *FOXBusiness.com*, November 15, 2019 ([Link](#)); *ScienceDaily*, November 13, 2019 ([Link](#)); *AAAS EurekAlert!*, November 12, 2019 ([Link](#)); *MarketScreener.com*, January 10, 2019 ([Link](#))

2018 *Nature Sustainability* Research Highlight, May, 2018 ([Link](#)); *Improbable Research* blog, February 10, 2018 ([Link](#)); *National Affairs* “Show Me the Green” blog, February 7, 2018 ([Link](#))

— Honors, Awards, and Fellowships

- UNM Dept. of Economics Research Excellence Designation (1 of 2-3 faculty each year), 2018, 2019, 2020
- Best Article Award, “Contingent Valuation and the Policymaking Process: An Application to Used Nuclear Fuel in the United States”, *Journal of Benefit-Cost Analysis*, 2016
- Western Social Science Association (WSSA) Graduate Student Paper Competition (2nd place/Honorable Mention), 2014
- Gerald Boyle Memorial Student Award in Economics, UNM, 2014
- Alfred L. Parker, PhD Endowed Scholarship in Economics, UNM, 2013
- J. Raymond Stuart Award in Economics, UNM, 2013
- Fellowship, Robert Wood Johnson Foundation (RWJF) Center for Health Policy, 2011-2015

— Service and Professional Activities

Professional Service

- AEA Committee on the Status of LGBTQ+ Individuals in the Economics Profession (CSQIEP) Faculty Mentor, 2020-present

Journal Activities

- Guest Co-Editor for a Special Issue of *Sustainability* on “Sustainability Perspectives on Fire and Smoke” (May 2021)
- Referee for: *Journal of the Association of Environmental and Resource Economists*, *Journal of Environmental Economics and Management*, *PNAS*, *Environmental and Resource Economics*, *Ecological Economics*, *Resource and Energy Economics*, *Energy Economics*, *Economics and Human Biology*, *Health Economics*, *Water Economics and Policy*, *Contemporary Economic Policy*, *Forest Policy & Economics*, *PLOS One*, *Journal of Environmental Management*, *Environmental Research*, *International Journal of Occupational and Environmental Health*, *Journal of Occupational and Environmental Medicine*, *Environmental Impact Assessment Review*, *Environment International*, *Annals of Internal Medicine*, *American Thoracic Society*

Departmental Service

- Graduate Committee Member (August 2017-present)
- Ph.D. Microeconomics Core Examination Committee Member (August 2017-October 2019)
- Seminar Committee Member (August 2018-May 2019)
- Energy Economics Faculty Search Committee Member (2019-2020)

Other Reviewer Activities

- Paper proposal reviewer for: AAEA Annual Meeting (2016 & 2019)
- Environmental economics book reviewer for: W.W. Norton & Company (2019); Wiley (2018)

— Conferences and Invited Talks

- 2020-2021 Wright State University
- 2019-2020 AERE@WEAI
- 2018-2019 UCLA Fielding School of Public Health; AERE@WEAI (session chair)
- 2017-2018 AERE@WEAI; US EPA BenMAP-CE Webinar; CU Boulder ERE Workshop; AUBER Fall Research Conference (session chair); Inaugural Journal of Environmental Economics & Management (JEEM) ERE Conference

2016-2017 AERE@WEAI; University of New Mexico
2015-2016 IAWF Fire Behavior and Fuels Conference; Purdue University; AERE@SEA; University of New Mexico (x2); AERE@WEAI
2014-2015 APPAM Fall Research Conference; IAWF Human Dimensions Conference; NM CARES HD/PRC/RWJF Joint Summit; University of Oklahoma; RWJF Scholars in Health Policy Research
2013-2014 International Dark-Sky Association (IDA); University of New Mexico; WEAI; WSSA
2012-2013 USAEE/IAEE North American Conference; RWJF Clinical Scholars National Meeting
2011-2012 RWJF Center for Health Policy National Advisory Board

Affiliations

American Economic Association (AEA)
Association of Environmental and Resource Economists (AERE)
Western Economic Association International (WEAI)
UNM Water Resources Program

Personal

Born: July 1988; San Antonio, Texas
Citizenship: U.S. Citizen
Language Proficiency: English
Software: Stata, Matlab, L^AT_EX, Powersim, GoldSim, ArcGIS, BenMAP-CE