

Christopher M. Jones, Ph.D.

Energy and Resources Group
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Professional Preparation

2010 – 2014 Ph.D. Energy and Resources Group, University of California, Berkeley
2002 – 2005 M.S. Energy and Resources Group, University of California, Berkeley
2002 – 2005 M.A. Latin American Studies, University of California, Berkeley
1989 – 1995 B.A. Politics, University of California, Santa Cruz

Appointments

10/2009 – Staff Research Associate
Energy and Resources Group, University of California, Berkeley
2011, 2012, 2013 Co-instructor, ER190-002, Behavior and Sustainability
(Spring semester) Energy and Resources Group, University of California, Berkeley
1/2006 – 9/2009 Staff Research Associate
Berkeley Institute of the Environment, University of California, Berkeley
7/2005 – 12/2005 Graduate Student Researcher
Energy and Resources Group, University of California, Berkeley
1/2005 – 7/2005 Graduate Student Researcher
Beahrs Environmental Leadership Program, University of California, Berkeley
8/2003 – 12/2004 Graduate Student Instructor
Sociology / College of Natural Resources, University of California, Berkeley

Peer-Reviewed Academic Publications

1. Christopher M. Jones and Daniel M. Kammen. Pathway Analysis to Accelerate California's Low Carbon Economy. Submitted to *Science*
2. Christopher M. Jones, Stephen M. Wheeler and Daniel M. Kammen. Carbon Footprint Planning: Quantifying state and local mitigation opportunities for 700 California cities. *Urban Planning* (in review)
3. Edward L Vine and Christopher M. Jones. "Competition, carbon, and conservation: Assessing the energy savings potential of energy efficiency competitions." *Energy Research & Social Science* 19 (2016): 158-176

4. Robert Miehe, Rene Scheumann, Christopher Jones, Daniel Kammen, and Matthias Finkbeiner. Regional Carbon Footprints of Households: A German case study. *Environment, Development and Sustainability* 18 (2), 577-591
5. Christopher M. Jones and Daniel M. Kammen. [Spatial Distribution of U.S. Household Carbon Footprints Reveals Suburbanization Undermines Greenhouse Gas Benefits of Urban Population Density](#). *Environ. Sci. Technol.*, 2014, 48 (2), pp 895–902
Google Scholar Citations: 109; Altmetric Score 274 (99th percentile)
6. Rebekah Shirley, Christopher M. Jones and Daniel M. Kammen. [A Household Carbon Footprint Calculator for Islands: Case study of the United States Virgin Islands](#), *Ecol. Ecological Economics* 80 (2012) 8–14
7. Max Wei, James H. Nelson, Michael Ting, Christopher Yang, Daniel M. Kammen, Chris Jones, Ana Mileva, Josiah Johnston and Ranjit Bhavirkar. [Deep Carbon Reductions in California Require Electrification and Integration Across Economic Sectors](#). 2013 *Environ. Res. Lett.* 8 014038
8. Christopher M. Jones and Daniel M. Kammen. [Quantifying Carbon Footprint Reduction Opportunities for U.S. Households and Communities](#), *Environ. Sci. Technol.*, 2011, 45 (9), pp 4088–4095
Google Scholar Citations: 197; Altmetric Score 97 (98th percentile)

Other Academic Publications

9. Christopher M. Jones. *Enabling Low Carbon Communities: The Roles of Smart Planning Tools and Place-Based Solutions*. Doctoral Dissertation. Energy and Resources Group, University of California, Berkeley. December 2015.
10. Christopher M. Jones. *A Life Cycle Assessment of U.S. Household Consumption*. Masters Project. Energy and Resources Group, University of California, Berkeley. May 2005.
11. Christopher M. Jones. *Emissions of CO₂ and Criteria Pollutants from U.S. – Mexico Overland Freight*. Masters thesis. Latin American Studies, University of California, Berkeley. December 2005.
12. Christopher M. Jones and Daniel M. Kammen. The “Coolest California City:” Results from a Pilot Inter-City Carbon Footprint Reduction Competition. *Environment & Behavior* (revision prepared)

Peer-Reviewed Professional Reports

13. Christopher Jones, Kira Stoll, Jewel Snaveley, Janika McFeely and Sara McKinstry, [Cool Campus Challenge: Program Summary and Evaluation](#). Report submitted to the University of California Office of the President, May 2016. 151 pp.
14. Christopher M. Jones and Daniel M. Kammen. [A Consumption-Based Greenhouse Gas Inventory of San Francisco Bay Area Neighborhoods, Cities and Counties: Prioritizing Climate Action for Different Locations](#). Report prepared for the Bay Area Air Quality Management District. December 15, 2015.

15. Edward Vine and Christopher M. Jones. [A Review of Energy Reduction Competitions: What We Have Learned](#). Report prepared for the California Public Utilities Commission. May 2015. 169 pp.
16. Christopher M. Jones and Daniel M. Kammen. *A Greenhouse Gas Local Government Decision-Support Tool*. Research report prepared for the California Air Resources Board under contract 09-359 (revisions in preparation)
17. Christopher M. Jones and Daniel M. Kammen. [The CoolCalifornia Challenge: A Pilot Inter-City Household Carbon Footprint Reduction](#). Report prepared for the California Air Resources Board under contract 10-325. November 2014. 90 pages.
18. Christopher M. Jones, Wes Sullens, Amy Dryden and Joe Kantanbacher. [Measuring the Climate Impact of Residential Buildings: GreenPoint Rated Climate Calculator Version 2](#). Report prepared for the California Air Resources Board under contract 09-344. September 2012. 122 pages.
19. Christopher M. Jones, Daniel M. Kammen, Gang He, Corinne Reich-Weiser, Devon Lake and Chris Erickson. Greenhouse Gas Emissions and Reduction Opportunities in Pacific Gas & Electric Company's Products and Services Supply Chain. Unpublished report. 69 pps. January 2012.

Other Papers

20. Christopher M. Jones, Daniel M. Kammen and Daniel T. McGrath. [Consumer-Oriented Life Cycle Assessment of Food, Goods and Services](#). Berkeley Institute of the Environment. Energy and Climate Change. 2008
21. Christopher M. Jones. UC Berkeley Climate Footprint, in Fahmida Ahmed, [UC Berkeley Climate Action Partnership, Feasibility Study 2006-2007 Final Report](#).
22. Christopher M. Jones. [A Lifecycle Assessment of U.S. Household Consumption: The Methodology and Inspiration Behind the "Consumer Footprint Calculator"](#). University of California International and Area Studies. Breslauer Symposium. Paper 8. 2005
23. Christopher M. Jones. [Headwinds for Climate Change Policy](#). *Latin American Studies Review*. Fall 2009. University of California, Berkeley

Student Advising / Supervision / Reader

Graduate Students (22): Sofia Ramos Guerrero, Michal Wojcik, Marisol Del Aguila, Amy Choi, Bharat Singh, Buck Doyle (Bard College), Aditya Khandekar, Ben Gould, Monica Testa, Josiah Johnston, Alina Koch Lawrence, Rebekah Shirley, Joseph Kantanbacher, Jeremy Eddy, Gang He, Hazel Onsrud, Won Young Park, Kate Foreman, Sally Maki, Michael Hajjar, Anita Milman, Seung-Hyun Rhee.

Undergraduate students (35): Sarah Reed-Guy, Noelle Fourogi, Michael Claassen, Steven Chen, Beau Ryck (West Chester U.), Winnie Chan, Sandy Yip, Kamini Iyer, Jason Khoe, Ciaran Roberts, David Suh, Kelley Doyle (2012 AASHE sustainability research awardee), Alan Miller, Steven Nagy, Lydia Chang, Atheana Fulgencio, Chun Man Chow, Rosanna Neuhausler, Michelle Change, Rachel Bubb, Crystal Sun, Kathryn Lie, Katy Nomura, Dominic Molinari, Varun Mehra (UCLA), Kamyar Kaviani, Bernadette Le, Anurag Shyamala, Hieu Pham, Steve Wang, Sophia Ashton, Betsy Phillips, Mia Yamauchi, Christina Oatfield, Kimberly Lam.

Visiting Scholars (5): Gibran Vita (NTNU), Dianna Ivanova (NTNU), Jan Porvaznik, Robert Mieke (Fraunhofer), Anders Nilsson (KTH)

Synergistic Activities

1. Co-Chair, [Behavior, Energy and Climate Change Conference](#), 2011 – 2018 (9 years)
2. Lead developer: CoolClimate Calculator: <http://coolclimate.berkeley.edu/calculator>; CoolClimate Calculator for small businesses: <http://coolclimate.berkeley.edu/business-calculator>; CoolClimate Emissions Dashboard: <http://coolclimate.org/scenarios-california>; California Local Government Decision-Support Tool; GreenPoint Rated Carbon Calculator V2: <http://greenpointrated.com/calculator/>
3. Lead developer and researcher, Cool Campus Challenge: <http://coolcampuschallenge.org>
4. Lead designer, implementer and evaluator: CoolCalifornia City Challenge, 2014, 2015 and 2016
5. Reviewer (21 manuscripts): Sustainability, 2017; Energy Research and Social Science, 2017; Nature Climate Change, 2016; Computers, Environment & Urban Systems, 2016; Environmental Science & Pollution Research, 2016; PLOS ONE: 2015; Journal of Industrial Ecology, 2012, 2015; Environmental Science and Technology, 2009, 2012, 2014; Environmental Management, 2014; Environmental Modeling & Software, 2014; Energies, 2014; Earth's Future, 2014; Environmental Research Letters, 2012, 2013, 2014; Resources, Conservation & Recycling, 2012; Journal of Cleaner Production, 2010; Journal of Infrastructure Systems, 2007
6. Conference speaker (17): Emerging Technologies Summit, Stanford University 2017; [iSEE Congress 2016: Energy 2030](#); [California Resources Recovery Association 2016](#), 2011; [American Planning Association, California](#) 2015; ASHRAE High Performance Buildings Conference 2015; [Commonwealth Club, 2013](#); [BEHAVE 2014](#); [Behavior, Energy and Climate Change Conference](#), 2010, 2011, 2012; West Coast Forum on Climate Change, 2009, 2012; ISIE 2011; Haagen-Smit Symposium, 2009; [Japanese Universities in the Bay Area Conference, 2009](#); [Sustainable Supply Chain Summit, 2008](#).
7. Conference posters (5): Behavior, Energy and Climate Change, 2007, 2008. California Climate Change Research Conference, 2008; Governor's Summit on Climate Change, 2008, 2009.
8. Guest Lectures (>25): Environmental courses at U.C. Berkeley
9. Project manager of \$1.5M grant from the Gordon and Betty Moore Foundation (2005-2008)
10. Judge, Sustainability Specialist, California Cleantech Open, 2008, 2009
11. Judge, NYU Entrepreneurs Challenge, 2016, 2017
12. Member of technical advisory committees: Nurture Nature Center, 2016; PG&E Commercial Behavioral Advisory Committee, 2015; ICLEI Community Greenhouse Gas Protocol, 2011, 2012; Environmental Defense Fund Climate Justice project, 2009
13. Member, Board of Advisors: Climate Earth (2008-present), Oroeco (2012-present), Empowerment Institute (2012-present)

Awards & Recognition

1. 1/2008 "25 Brilliant California Ideas", California Magazine, for carbon footprint calculator
2. 4/2002 1st place, A. Lorne Weil Business Plan Competition, Columbia University, for "Este World, Ltd."
3. 4/2001 Finalist, Haas Social Venture Competition, University of California, Berkeley for "Este World, Ltd"
4. 2001-present Work cited in public media including: New York Times, Los Angeles Times, Smart Planet, Discovery Channel News, National Public Radio, Magazine,

Wall Street Journal, Discover Magazine, San Francisco Chronicle, San Jose Mercury News, Sacramento Bee, California UNEP, and many others.
<http://coolclimate.berkeley.edu/news>

Professional Development Activities

1/2001 – 8/2002 Co-founder, *Este World Ltd.*, Sustainable Forestry. Belem, Brazil

Professional Skills

1. Economic and environmental data analysis and modeling (Excel, SPSS)
2. Software programming: Javascript, PHP, HTML, CSS
3. Geographic Information Systems (GIS)
4. Environmental Policy Analysis
5. Languages: fluent in Spanish and conversational in Portuguese