

Jeremy G. Weber

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EDUCATION

- 2006-2010 University of Wisconsin-Madison
PhD, Agricultural and Applied Economics
Concentration: Economics of Growth and Development
- 2001-2005 Juniata College, Huntingdon, PA
BA, International Political Economy, Summa Cum Laude

CURRENT POSITION

Associate Professor, University of Pittsburgh, 2017-current
Graduate School of Public and International Affairs (primary)
Department of Economics (secondary)
Assistant Professor, 2014-2017

RESEARCH FIELDS

Energy and Natural Resource Economics, Agricultural Economics, Development Economics

JOURNAL PUBLICATIONS

1. “When Externalities are Taxed: The Incidence and Effect of Pennsylvania’s Impact Fee on Shale Gas Wells” with K. Black and S. McCoy. *Journal of the Association of Environmental and Resource Economists*, forthcoming.
2. “Local labor markets and natural resources: A synthesis of the literature” with J. Marchand, *Journal of Economic Surveys*, forthcoming.
3. “Capturing Rents from Natural Resource Abundance: Private Royalties from U.S. Onshore Oil and Gas Production” with J. Brown and T. Fitzgerald, *Resource and Energy Economics* 46: 23-38, 2016.
4. “A Quantitative Description of State-Level Taxation of Oil and Gas Production in the Continental U.S.” with Yongsheng Wang and Maxwell Chomas, *Energy Policy* 96: 289-301, 2016.
5. “Does Federal Crop Insurance Make Environmental Externalities from Agriculture Worse?” with N. Key and E. O’Donoghue, *Journal of the Association of Environmental and Resource Economists* 3(3): 707-742, 2016.
6. “Broadening Benefits from Natural Resource Extraction: Housing Values and Taxation of Natural Gas Wells as Property” with J.W. Burnett and I.M. Xiarchos, *Journal of Policy Analysis and Management* 35(3): 587-614, 2016.
7. “What can we learn about shale gas development from land values? Opportunities, challenges, and evidence from Texas and Pennsylvania” with C. Hitaj. *Agricultural and Resource Economics Review* 44(2): 40-58, 2015.
8. “Crop Prices, Agricultural Revenues, and the Rural Economy” with C. Wall, J. Brown, and T. Hertz, *Applied Economic Perspectives and Policy* 37(3): 459-476, 2015.
9. “Leveraging Wealth from Farmland Appreciation: Borrowing, Land Ownership, and Farm Expansion” with N. Key, *Land Economics* 91(2): 344-361, 2015.

10. “Do Wealth Gains from Land Appreciation Cause Farmers to Expand Acreage or Buy Land?” with N. Key, *American Journal of Agricultural Economics* 96(5): 1334-1348, 2014.
11. “A Decade of Natural Gas Development: The Makings of a Resource Curse?” *Resource and Energy Economics* 37: 168-183, 2014.
12. “Sustainable Rural Development and Wealth Creation: Five Observations Based on Emerging Energy Opportunities” with J. Pender and J. Brown, *Economic Development Quarterly* 25(1): 73-86, 2014.
13. “Who Does Not Respond to the Agricultural Resource Management Survey and Does It Matter?” with D. Clay, *American Journal of Agricultural Economics* 95(3): 755-771, 2013.
14. “The Effects of a Natural Gas Boom on Employment and Income in Colorado, Texas, and Wyoming,” *Energy Economics* 34: 1580-1588, 2012.
15. “Social Learning and Technology Adoption: The Case of Coffee Pruning in Peru,” *Agricultural Economics* 43: 73-84, 2012.
16. “Keeping ARMS Relevant: Extracting Additional Information from ARMS” with A. Featherstone and T. Park, *Agricultural Finance Review* 72(2): 233-246, 2012.
17. “How Much Do Decoupled Payments Affect Production? An Instrumental Variable Approach with Panel Data” with N. Key, *American Journal of Agricultural Economics* 94(1): 52-66, 2012.
18. “The Economic Sustainability of Certified Coffee: Recent Evidence from Mexico and Peru” with B. Barham, *World Development* 40(6): 1269-1279, 2012.
19. “Fair Trade-Organic Coffee Cooperatives, Migration, and Secondary Schooling in Southern Mexico” with S. Gitter, B. Barham, M. Callenes, and J. Lewis, *Journal of Development Studies* 48(3), 445-463, 2012.
20. “Do ICDPs Work? An Empirical Evaluation of Forest-Based Microenterprises in the Brazilian Amazon” with E.O. Sills, S.K. Pattanayak, and S. Bauch, *Land Economics* 84(4): 645-681, 2011.
21. “How Much More Do Growers Receive for Fair Trade-Organic Coffee?” *Food Policy* 36(2): 678-685, 2011.
22. “Fair Trade/Organic Coffee, Rural Livelihoods, and the 'Agrarian Question': Southern Mexican Coffee Families in Transition” with B. Barham, M. Callenes, S. Gitter, and J. Lewis, *World Development* 39(1): 134-145, 2011.
23. “Fair Trade Coffee Enthusiasts Should Confront Reality,” *Cato Journal* 27(1): 109-117, 2007.

BOOK CHAPTERS

1. “Rural Wealth Creation and Emerging Energy Industries: Lease and Royalty Payments to Farms”, with J. Pender and J. Brown. In Rural Wealth Creation, Eds. J. Pender, B. Johnson, M. Fannin. *Routledge*, 2014.

USDA ECONOMIC RESEARCH SERVICE PUBLICATIONS

1. “Natural Gas Extraction and Local Economies—No Evidence of a “Natural Resource Curse,” *Amber Waves* August, 2014.
2. “Onshore Oil and Gas development in the Lower 48 States: Introducing a County-Level Database of Production for 2000-2011” with S. Low and N. Walsh, *Amber Waves* February, 2014.
3. “Emerging Energy Industries and Rural Growth” with J. Brown and T. Wojan, *USDA Economic Research Report* 159, 2013.

4. “The Off-Farm Occupations of U.S. Farm Operators and Their Spouses” with J. Brown, *USDA Economic Information Bulletin* 117, 2013.
5. “When Working Off the Farm, Farm Operators Most Commonly Work in Management and Professional Occupations” with J. Brown, *Amber Waves* September, 2013.
6. “Understanding Farm Income’s Role in Farm Household Finances” with R. Durst, *Amber Waves* April, 2013.
7. “Natural Gas Extraction Creates Local Jobs in the Short Term,” *Amber Waves* December, 2012.
8. “Expansion in Direct Payments Did Not Lead to More Crop Production” with N. Key, *Amber Waves* September, 2012.
9. “Farm Household Income, Net Worth, and Well-Being” with M. Ahearn. Chapter in “Agricultural Income and Finance Outlook” AIS-91, Economic Research Service, U.S. Department of Agriculture, December, 2011.
10. “Farm Household Income, Net Worth, and Well-Being” with M. Ahearn. Chapter in “Agricultural Income and Finance Outlook,” AIS-90, Economic Research Service, U.S. Department of Agriculture, December, 2010.

OTHER PUBLICATIONS

1. “Shale Development, Impact Fees, and Municipal Finances in Pennsylvania” with M. Harleman, Center for Metropolitan Studies Policy Brief, Winter 2015/2016.
2. “U.S. Agricultural Subsidies May Have Merits, But Rural Economic Development Is Not One of Them,” London School of Economics blog on American Politics and Policy, September 21, 2015.
3. “Is the Natural Gas Revolution all its Fracked Up to Be for Local Economies” with J.W. Burnett, *Choices* 4th quarter, 2014.
4. “Shale Development and Agriculture” with C. Hitaj and A. Boslett, *Choices* 4th Quarter, 2014.
5. “Shale Gas Drilling and Farm Real Estate Values” with C. Hitaj, National Agricultural and Rural Development Policy Center, Brief 25, June, 2014.
6. “In the Good Times and the Bad: Shale Gas Development and Local Employment,” *Rural Connections* June, 2013.
7. “Fair Trade Coffee—Lessons for Healthy Grown” with P.D. Mitchel and B. Barham, *The Badger Common* ‘Tater 62(8): 9-11, 2010.
8. “Lessons in a Cup of Coffee,” *The Marketplace* March/April, 2007.

RESEARCH IN PROGRESS

1. “The Labor Market and School Finance Effects of the Texas Shale Boom on Teacher Quality and Student Achievement” with J. Marchand.
2. “Asset Ownership, Windfalls, and Income: Evidence from Oil and Gas Royalties” with J. Brown and T. Fitzgerald. Federal Reserve Bank of Kansas City Working Paper 16-12
3. “Fracking, Farming, and Water” with C. Hitaj and A. Boslett.
4. “Natural Resource Ownership, Financial Gains, and Governance: Evidence from Unconventional Gas Development in the UK and the US” with M. Harleman.

PRIOR POSITIONS

2010-2014 Research Economist, Rural and Resource Economics,

	Economic Research Service, U.S. Department of Agriculture
2013	Adjunct Faculty, Johns Hopkins University, Krieger School of Arts and Sciences Master's Program in Applied Economics
2009 (Jan-March)	Consultant, Development Economics Group, World Bank
2008 – 2010	Research Assistant, Department of Agricultural and Applied Economics, University of Wisconsin-Madison
2007 (Summer)	Collaborating Researcher, Amazon Institute of People and the Environment (Imazon), Belem, Brazil
2005-2006	Field Research with Peruvian Coffee Grower Cooperatives, MEDA Consulting Group/Peruvian Fulbright Commission, Peru
2004 (Summer)	Project Assistant, MEDA Consulting Group, Peru

GRADUATE SERVICE

- PhD program director, University of Pittsburg-GSPIA
- Shale Gas Governance Center director, University of Pittsburg-GSPIA
- Graduate Courses Taught: Introduction to Econometrics (Johns Hopkins); Introduction to Quantitative Methods (GSPIA); Intermediate Quantitative Methods (GSPIA) Contemporary U.S. Energy Policy (GSPIA); Energy Production and the Local Economy (GSPIA); Environmental Economics and Policy (GSPIA).
- Dissertation Committee Service: Katie Jo Black (Ph.D., Economics), Shawn McCoy (Ph.D., Economics), Xiaoxi Zhao (Ph.D., Economics), Farhod Yuldashev (Ph.D. Public Affairs).
- Doctoral Committee, Graduate School of Public and International Affairs
- University of Pittsburgh Sustainability Task Force

PROFESSIONAL SERVICE

- Associate Editor, *Resources Policy*
- Member of the National Academy of Sciences (Committee on National Statistics) panel to review data collection and measurement by U.S. Department of Agriculture National Agricultural Statistics Service and Economic Research Service.
- Steering-Committee Member of the NSF-funded Research Coordination Network on the impacts of energy production (2015-current).
- Member of the Energy for the Power of 32 Regional Energy Policy Team (2015-current).
- Member of the Economic Statistics and Information Resources Committee, Agricultural and Applied Economics Association (2014-2015).
- External reviewer for Emerald Insight, the National Agricultural and Rural Development Policy Center, the Smith Richardson Foundation, the USDA Economic Research Service, the University of Michigan, and the University of California Press.
- Reviewer for *Agricultural Economics*, *Agricultural and Resource Economics*, *American Economic Review*, *American Journal of Agricultural Economics*, *Australian Journal of Agricultural and Resource Economics*, *Contemporary Economic Policy*, *Ecological Economics*, *Economic Inquiry*, *Energy Policy*, *Energy Technology*, *Energy Journal*, *Environmental and Resource Economics*, *European Review of Agricultural Economics*, *Growth and Change*, *Finnish Economic Papers*, *Food Policy*, *Journal of Agricultural and Applied Economics*, *Journal of*

Econometrics, Journal of the European Economic Association, Journal of Human Resources, Journal of Regional Science, Regional Science and Urban Economics, Resource and Energy Economics, Review of Regional Studies, World Development, World Bank Economic Review.

GRANTS/FELLOWSHIPS

2017	USDA-ERS Cooperative Grant for work on energy and agriculture, \$7,500
2015-2017	Mascaro Center for Sustainable Innovation Faculty Fellowship in Sustainability, \$50,000
2016	Social Sciences and Humanities Research Council grant with Joseph Marchand, \$25,000
2012	USDA-ERS grant for cooperative agreement with faculty at UW-Madison, \$15,000
2010	Peruvian National Coffee Board/Rainforest Alliance, financing for data collection, \$2,500
2007	UW-Madison Latin American Studies, travel grant for research in Brazil, \$1,500
2007-2008	U.S. Dept. of Education Foreign Language Area Studies Fellowship, Portugues
2006-2007	Helen Firstbrook Franklin Fellowship, UW Latin American Studies
2005-2006	Fulbright Grantee, Peru

HONORS/AWARDS

2016	Outstanding <i>Applied Economic Perspectives and Policy</i> Article: “Crop Prices, Agricultural Revenues, and the Rural Economy” (with C. Wall, J. Brown, and T. Hertz).
2014	USDA “Best Amber Waves Data Feature, 2014” for county-level oil and gas dataset (with S. Low and N. Walsh)
2012	2012 Cash award for outstanding annual performance review
2011	Certificate of merit for timely release of USDA farm income estimates
2011	Cash award for contribution to farm income estimates
2011	Henry C. Taylor Doctoral Dissertation Award, Department of Agricultural and Applied Economics, University of Wisconsin-Madison

SELECT PRESENTATIONS

1. “The Labor Market and School Finance Effects of the Texas Shale Boom on Teacher Quality and Student Achievement”, University of Alaska at Anchorage, College of Business and Public Policy, January 22, 2016.
2. “The Labor Market and School Finance Effects of the Texas Shale Boom on Teacher Quality and Student Achievement”, West Virginia University Department of Economics, April 17, 2015.
3. “Shale Gas Development and Housing Values Over a Decade”, West Virginia University, Department of Agricultural and Resource Economics, October 8, 2014.
4. “A County-Level Database of U.S. Oil and Gas Production, 2000-2011.” U.S. Department of Energy, Energy Information Administration, January 22, 2014, Washington, D.C.
5. “Shale Oil and Gas Development: Data and Recent Research on Local Consequences” seminar and webinar sponsored by the Council on Food, Agricultural and Resource Economics and the USDA Office of Energy Policy and New Uses, July 23, 2014, Washington, D.C.

6. "How Development of Unconventional Gas Affects Local Economies", Resources for the Future, June 20, 2012, Washington D.C.
7. "Does Proprietor Wealth Influence Small Business Decisions? Land Appreciation and Farm Business Borrowing, Investment, and Output" RAND seminar series, December 12, 2012, Washington D.C.
8. "In the Good Times and the Bad: Shale Gas Development and the Local Economy" Our Energy Future Conference, September 25, 2012, Salt Lake City, Utah.
9. "Trade in Certified Agricultural Products in Theory and Practice: The Case of Coffee," New York University Robert F. Wagner Graduate School of Public Service IPSA "Trade Up Conference 2011," April 8, 2011, New York, New York.
10. "Cooperativas de Café Comercio Justo-Organico, Migracion, y Escolaridad Secundaria en el Sur de Mexico," GRADE (Group for the Analysis of Development), June 2010, Lima, Peru.
11. "Sustaining the Environment and Improving Livelihoods Through Fair Trade/Organic Coffee in Peru and Mexico," University of Wisconsin-Madison Global Hotspots Lecture, November 13, 2009, Madison, Wisconsin.
12. "Do ICDPs Work? An Empirical Evaluation of Forest-Based Microenterprises in the Brazilian Amazon," Inter-American Development Bank Research Department, November 16, 2009, Washington, D.C.

LANGUAGES

English (native), Spanish (fluent), Portuguese (advanced)