

Charles Towe

Agricultural and Resource Economics
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University of Connecticut,
Storrs, CT

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EDUCATION:

- Ph.D. Agricultural and Resource Economics, University of Maryland, College Park, MD, 2007
- M.S. Agricultural and Resource Economics, University of Maryland, College Park, MD, 2006
- M.A. Economics, Tufts University, Medford, MA, 1997
- B.A. Economics, University of North Carolina – Asheville, Asheville, NC, minor in Mathematics, 1996

DISSERTATION

Title: “Impacts of an Incentive Based Land Use Policy: An Evaluation of Preservation Easements”

Committee: Prof. Nancy Bockstael (Chair), Prof. Marc Nerlove, Prof. Lori Lynch, Prof. Erik Lichtenberg, and Gerrit Knaap

EXPERIENCE:

Assistant Professor, Agricultural and Resource Economics, Department of Agricultural and Resource Economics, University of Connecticut, Storrs, CT, 2014 – present.

Assistant Professor, Agricultural and Resource Economics, Department of Agricultural and Resource Economics, University of Maryland, College Park, MD, 2008 – 2014.

Research Associate, National Center for Smart Growth and Education, University of Maryland, College Park, MD, 2008 – present.

Agricultural Economist, Economic Research Service USDA, Washington, DC 20036
June, 2007 – August, 2008.

Adjunct Professor, Johns Hopkins School of Advanced International Studies,
Washington, DC 20036, Spring 2008

Computer Programmer-Portfolio and Retirement Tools, Fidelity Investments, Boston, MA 02109, 2000 - 2002

Consultant – Internet Commerce, Andersen Consulting (now Accenture), Boston, MA
1997 –1999

TEACHING EXPERIENCE:

AREC 489f Econometrics with Applications, University of Maryland, Fall 2013

AREC 382 Computer Based Analysis in Agricultural and Resource Economics,
University of Maryland, Fall 2010, Fall 2011, Fall 2012, Fall 2013

AREC 625/825 Advanced Welfare Economics Graduate Course, University of Maryland
Fall 2009, Fall 2010, Fall 2011, Fall 2012

AREC 489f Applied Agricultural Production Economics, University of Maryland, Fall
2009

AREC 405 Agricultural Production Economics, University of Maryland, Fall 2008

Econometrics Advanced Math, Johns Hopkins University, School of Advanced
International Studies Graduate program, 15 students, Spring 2008

PUBLICATIONS:

Harrison, Glenn, John List, and Charles Towe. (2007) "Naturally Occurring Preferences
and Exogenous Laboratory Experiments -- A Case Study of Risk Aversion."
Econometrica 75(2): 433-458.

Bento, Antonio, Charles Towe, and Jacqueline Geoghegan. (2007). "The Effects of
Moratoria on Residential Development: Evidence from Howard County, MD."
American Journal of Agricultural Economics 89(5): 1211-1218.

Towe, Charles, Cindy Nickerson, and Nancy Bockstael. (2008). "An Empirical
Examination of the Timing of Land Conversions in the Presence of Farmland
Preservation Programs." *American Journal of Agricultural Economics*. 90(3): 613-626.

Briggeman, Brian, Charles Towe, and Mitch Morehart. (2009). "Credit Constraints:
Their Existence, Determinants, and Implications for U.S. Farm and Non-Farm Sole-
Proprietors." *American Journal of Agricultural Economics* 91: 275-289.

Towe, Charles. (2009). "A Valuation of Subdivision Open Space by Type." *American
Journal of Agricultural Economics* 91:5, 1319-1325

Kaza, Nikhil, Charles Towe, and Xin Ye. (2011) "A Hybrid Land Conversion Model
Incorporating Multiple End Uses," *Agricultural and Resources Economics Review* 40(3)
December.

Towe, Charles and Chad Lawley. (2013). "The Contagion Effect of Neighboring Foreclosures." *May 2013 American Economic Journal – Economic Policy* 5(2): 313-335.

Towe, Charles and Constant Tra. (2013) "Vegetable Spirits and Renewable Fuels" *American Journal of Agricultural Economics* 95(1): 1-16.

Towe, Charles, Rebecca Lewis and Lori Lynch.(2014) "Using Quasi-experimental Methods to Evaluate Land Policies: Application to Maryland's Priority Funding Legislation," *forthcoming Handbook of Land Economics, Oxford Press*, Joshua Duke and Junjie Wu editors.

Lawley, Chad and Charles Towe. (2014) "Capitalized Costs of Habitat Conservation Easements." *forthcoming American Journal of Agricultural Economics*.

Advance access at

<http://ajae.oxfordjournals.org/content/early/2014/03/17/ajae.aau012>

Alberini, Anna, Will Gans, and Charles Towe. "What is the Uptake of Energy Efficiency Incentives? Evidence from a Survey of Maryland Households" *forthcoming The Energy Journal*.

Adalja, Aaron, Jim Hanson, Charles Towe, and Elina Tselepidakis "Consumer Willingness to Pay for Grass Fed Beef" –A Conjoint Survey and Experimental Economics Approach. *Forthcoming Agricultural and Resource Economics Review*.

WORKING PAPERS:

Tra, Constant and Charles Towe "The Impact of Ethanol plants on Farmland Structure: Evidence from the U.S. June Agricultural Survey" *Under review*

Towe, Charles. "Testing the Effect of Neighboring Open Space on Development using Propensity Score Matching." *Under review*.

Tra, Constant and Charles Towe "The Value of School Quality: Evidence from Housing Booms and Busts"

Towe, Charles, Allen Klaiber, and David Newburn. "Exploiting spatial and temporal variations in residential subdivision development to identify urban growth spillovers."

ONGOING PROJECTS:

Towe, Charles and Anna Alberini. "Energy Audits and Rebates: Impacts from Common Energy Efficiency Investments and Sequencing of Incentives"

Alberini, Anna and Charles Towe. "Spatial and Social Interactions in Solar PV Installations"

Towe, Charles, H. Allen Klaiber, and Joe Maher "A Valuation of Urban Restored Streams Using Repeat Sales"

Towe, Charles. "Multiple Options in Land Conversion - A Dependent Competing Risks Analysis."

CONTRACTS AND GRANTS:

Economic Research Service, \$137,500, Construction of Property Tax Database, through October 1, 2010, Principal Investigator

National Science Foundation, \$171,000 (of \$5 million total). Regional Climate Variability and Patterns of Urban Development – Impacts on the Urban Water Cycle and Nutrient Export. January 1, 2011, Co PI.

Memorandum of Understanding with Southern Maryland Electricity Cooperative to share customer billing and usage records to facilitate research involving technology adoption and energy efficiency.

Memorandum of Understanding with Maryland Department of Housing and Community Development to share phone bank data from the Maryland Homeowners Preserving Equity (HOPE) phone bank to facilitate evaluation of intervention programs to prevent foreclosure.

EPA Region III, \$140,000, Reality Check Plus - Envisioning a Sustainable Maryland – RARE Project. July, 2011 Co-PI

USDA-ERS, \$65,000, Design and Experimental Testing of Land Retirement Auctions II. Aug. 2011.

USDA-ERS, \$50,000, Design and Experimental Testing of Land Retirement Auctions II - Extension. Aug. 2013.

Jorgensen Foundation, \$4,879 "WTP for grassfed beef". Department of Animal and Avian Sciences, Jan. 2012,

National Science Foundation, \$149,000 (of \$1.5 million total). Coastal SEES Collaborative Research: Effects of restoration and redevelopment on nitrogen dynamics in an urban coastal watershed. August, 2014 (Co-PI)

CONFERENCES AND INVITED PRESENTATIONS:

Southern Economics Association Annual Meeting, November 21-23, 2004, New Orleans, LA.

American Agricultural Economics Association, July 24-26, 2005, Providence, RI.

Camp Resources XIII, Wilmington, NC, August, 2005.

American Agricultural Economics Association, July 29-31, 2007, Portland, OR.

North Carolina State University, invited seminar August 31, 2007, Raleigh, NC.

The Transatlantic Land Use Conference, September 25, 2007, Washington, DC.

Smart Growth at 10 – A Critical Examination Of Maryland's Landmark Land Use Program Conference, October 3-5, 2007, University of Maryland, College Park, MD

Pennsylvania State University, invited seminar, November 15, 2007, State College, PA.

United Nations Economic Commission for Europe Conference on statistical data confidentiality, December 17-19, 2007, Manchester, UK.

University of Maryland, invited seminar, April 16, 2008, College Park, MD.

Southern Economic Association, Nov. 20-23, 2008, Washington, DC.

Allied Social Science Association, Jan 2-5, 2009, San Francisco, CA.

Center for Agriculture and Natural Resource Policy Annual Outlook Meeting, March, 2009.

American Agricultural Economics Association, July, 2009, Milwaukee, WI.

Department of Housing and Community Development, State of Maryland, Crownsville, MD, December 2009.

American Agricultural Economics Association, July, 2010, Denver, CO.

University of Maryland Baltimore County, invited seminar, September 24, 2010, Baltimore, MD.

North American Regional Science Council, November, 2010, Denver, CO.

Association of Environmental and Resource Economists, 2011, Seattle, WA

American Agricultural Economics Association, July, 2011, Pittsburgh, PA.

The Economics of Water Quality Improvement in Chesapeake Bay, EPA and RFF, Oct. 2011, Washington, DC

North American Regional Science Council, November, 2011, Miami, FL.

Association of Environmental and Resource Economists, 2012, Asheville, NC

American Agricultural Economics Association, July, 2012, Seattle, WA.

American Agricultural Economics Association, Aug, 2013, Washington, DC.

North American Regional Science Council, November, 2013, Atlanta, GA.

University of Connecticut, invited seminar, January 2014, Storrs, CT.

PROFESSIONAL EXPERIENCE:

Reviewer for,

Econometrica

American Economic Journal: Economic Policy

Economics Letters

American Journal of Agricultural Economics

Applied Economic Perspectives and Policy

Journal of Environmental Management

Journal of Environmental Economics and Management

Environmental and Resource Economics

Journal of Agricultural and Applied Economics

Agricultural and Resource Economics Review

Research in Experimental Economics

Journal of Agricultural and Resource Economics

Canadian Journal of Agricultural Economics

2009 and 2010 AAEE Annual meeting topic leader for Research

Methods/Econometrics/Statistics selected papers

Grant reviewer ERS for Energy Markets and Greenhouse Gases experimental economics grants.

2011, 2012 AAEE Quality of Research Discovery Committee Member

2011, 2012, 2013 Council of Professional Associations on Federal Statistics –
AAEA representative

ADVISING: RESEARCH DIRECTION

Dissertation

Shinsuka Uchida 2014. (Committee Member complete)
Sang Won Yoon 2014, (Committee Member complete)
Tran Trang 2013, (Committee Member complete)
Kabir Malik 2013, (Committee Member complete)
Will Gans 2012, (Committee Member complete)
Asif Islam 2012, (Committee Member complete)
Fanqing Ye 2012, (Committee Member complete)
Yi Niu 2012, (Committee Member complete)
Dennis Guignet 2011. (Committee Member-complete)
Juan Feng 2011 (Committee Member complete)
Rebecca Lewis, 2011. Urban Planning (Committee Member - complete)
Sonia Jarvis 2011. (Committee Member-complete)
David Herberich 2010. (Committee Member-completed)
Anmol Ratan 2010. (Committee Member-completed)
Nathanial Higgins 2010. (Committee Member-completed)
Timothy Fitzgerald 2009. (Committee Member-completed)
Lopa Chokrabarti 2008. (Committee Member-completed)

Dissertation in process (prospectus complete)

Mark Miller 2013. (Committee Chair – prospectus)
Craig Meisner 2011 (Committee Member-prospectus)
Seth Wechsler 2011 (Committee Member-prospectus)
Rubaba Ali 2013 (Committee Member-prospectus) -

Prospectus in process

Joe Maher