

# Todd Gerarden

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## Academic Appointment

Cornell University

Assistant Professor and Susan Henry Sesquicentennial Faculty Fellow 2018-  
Charles H. Dyson School of Applied Economics and Management  
Faculty Fellow, Atkinson Center for a Sustainable Future 2018-

## Education

Ph.D., Public Policy, Harvard University 2018  
B.S. with Highest Distinction, Mechanical Engineering, University of Virginia 2010

## Publications

Gerarden, Todd D., W. Spencer Reeder, and James H. Stock. 2020. "Federal Coal Program Reform, the Clean Power Plan, and the Interaction of Upstream and Downstream Climate Policies." *American Economic Journal: Economic Policy* 12(1): 167-99.

Coglianesi, John, Todd D. Gerarden, and James H. Stock. 2020. "The Effects of Fuel Prices, Environmental Regulations, and Other Factors on U.S. Coal Production, 2008-2016." *The Energy Journal* 41(1): 55-81.

Gerarden, Todd D., Richard G. Newell, and Robert N. Stavins. 2017. "Assessing the Energy-Efficiency Gap." *Journal of Economic Literature* 55(4): 1486-525.

Reprinted in *Economics of the Environment: Selected Readings*, 7<sup>th</sup> edition, edited by Robert N. Stavins. Edward Elgar Publishing, Inc, 2019.

Walls, Margaret, Todd Gerarden, Karen Palmer, and Xian Fang Bak. 2017. "Is Energy Efficiency Capitalized into Home Prices? Evidence from Three U.S. Cities." *Journal of Environmental Economics and Management* 82: 104-124.

Gerarden, Todd, Richard G. Newell, and Robert N. Stavins. 2015. "Deconstructing the Energy-Efficiency Gap: Conceptual Frameworks and Evidence." *American Economic Review: Papers & Proceedings* 105(5): 183-86.

Palmer, Karen, Margaret Walls, Hal Gordon, and Todd Gerarden. 2013. "Assessing the Energy-Efficiency Information Gap: Results from a Survey of Home Energy Auditors." *Energy Efficiency* 6(2): 271-92.

Muehlenbachs, Lucija, Mark A. Cohen, and Todd Gerarden. 2013. "The Impact of Water Depth on Safety and Environmental Performance in Offshore Oil and Gas Production." *Energy Policy* 55: 699-705.

## Working Papers

Aldy, Joseph E., Todd Gerarden, and Richard L. Sweeney. August 2020. "Investment versus Output Subsidies: Implications of Alternative Incentives for Wind Energy." NBER Working Paper 24378.

Gerarden, Todd. 2018. "Demanding Innovation: The Impact of Consumer Subsidies on Solar Panel Production Costs."

## Work in Progress

“Optimal Targeting of Information Provision: Evidence from Home Energy Reports” with Muxi Yang  
“The Effects of Solar Panel Tariffs” with Bryan Bollinger, Ken Gillingham, Drew Vollmer, and Daniel Xu  
“Induced Innovation, Inventors, and the Energy Transition” with Eugenie Dugoua

## Fellowships, Grants, and Honors

Cornell Center for Social Sciences Grant	2020
NBER Economics of Innovation in the Energy Sector Conference	2020
Cornell JCB AEP Area Research Grant	2019
Ana Aguado Prize, Harvard Environmental Economics Program	2018
Joseph Crump Fellowship, Harvard Kennedy School	2016-2017
STAR Fellowship, U.S. Environmental Protection Agency	2014-2016
Vicki Norberg-Bohm Fellowship, Harvard Kennedy School	2013
Harry S. Truman Scholarship	2009

## Teaching Experience

Cornell University	
AEM 4515: Business and Economics of Energy (undergraduate)	2018-
AEM 7510: Environmental Economics (PhD)	2018-
AEM 7852: Sustainable Environment, Energy, and Resource Economics Seminar (PhD)	2019-
Harvard University	
API-135/ECON 1661: Environmental Economics and Policy (TA for Robert Stavins)	2015
Ph.D. Math Camp, Harvard Kennedy School	2013-2015

## Seminar and Conference Presentations

2020: ASSA Annual Meeting (discussant), NBER Economics of Innovation in the Energy Sector Conference, TREE Seminar (Duke-NCSU-RTI), Duke Energy Data Analytics Symposium (lightning talk)

2019: ASSA Annual Meeting, SUNY Albany, University of Pittsburgh, Northeast Workshop on Energy Policy and Environmental Economics (discussant), Empirical Methods in Energy Economics, University of Ottawa CEIP Workshop, CU Environmental & Resource Economics Workshop, Harvard HEEP Workshop (discussant)

2018: London School of Economics, Federal Reserve Bank of Dallas, University of Toronto, Cornell University, Georgia State University, UC Davis, University of Maryland, Resources for the Future, IIOC (presenter and discussant), Northeast Workshop on Energy Policy and Environmental Economics, SITE, NBER Summer Institute EEE (presenter and discussant), University of Pennsylvania

2017: ASSA Annual Meeting, Northeast Workshop on Energy Policy and Environmental Economics

2016: NBER EEE Program Meeting, AERE Summer Conference, Camp Resources Workshop

## Professional Service

Referee: *American Economic Journal: Economic Policy*, *American Economic Review*, *Ecological Economics*, *Energy Economics*, *The Energy Journal*, *Environmental and Resource Economics*, *Journal of the Association of Environmental and Resource Economists*, *Journal of Environmental Economics and Management*, *Journal of Public Economics*, *Review of Economics and Statistics*, *Review of Environmental Economics and Policy*, *Science*

Ad-hoc reviewer: *Alfred P. Sloan Foundation*

Conference reviewer: *AERE (2019)*, *EMEE (2020)*, *AERE (2020)*