

Todd Gerarden

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Academic Appointment

Cornell University: Dyson School of Applied Economics and Management

Assistant Professor	2018–
Susan Henry Sesquicentennial Faculty Fellow	2018–2023
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. 2023. "Demanding Innovation: The Impact of Consumer Subsidies on Solar Panel Production Costs." *Management Science* 69(11): 7799–7820.

Aldy, Joseph E., Todd Gerarden, and Richard L. Sweeney. 2023. "Investment versus Output Subsidies: Implications of Alternative Incentives for Wind Energy." *Journal of the Association of Environmental and Resource Economists* 10(4): 981–1018.

Gerarden, Todd, and Muxi Yang. 2023. "Using Targeting to Optimize Program Design: Evidence from an Energy Conservation Experiment." *Journal of the Association of Environmental and Resource Economists* 10(3): 687–716.

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.

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

"Induced Innovation, Inventors, and the Energy Transition" with Eugenie Dugoua. NBER Working Paper 31714.

Selected Work in Progress

"Strategic Avoidance and Welfare Impacts of U.S. Solar Panel Tariffs" with Bryan Bollinger, Kenneth Gillingham, Drew Vollmer, and Daniel Xu

"How DOEs Government Funding Fuel Scientists?" with Eugenie Dugoua, Kyle Myers, and Jacquelyn Pless

Fellowships, Grants, and Honors

Cornell Atkinson 2030 Project Fast Grant	2023
Cornell Dyson Outstanding Early Career Achievement Award	2023
Cornell CALS Early Career Faculty Teaching Award	2022
Structural Transformation and Economic Growth Grant	2022
NBER Economics of Innovation in the Energy Sector Conference	2022
EDF-Cornell Atkinson Innovation for Impact Grant	2021
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
U.S. Environmental Protection Agency STAR Fellowship	2014
Vicki Norberg-Bohm Fellowship, Harvard Kennedy School	2013
Harry S. Truman Scholarship	2009

Teaching Experience

Cornell University	
AEM 2850: R for Business Analytics and Data Visualization (undergraduate)	2022–
AEM 4515: Business and Economics of Energy (undergraduate)	2018–
AEM 7510: Environmental Economics (PhD)	2018–
AEM 7852: Sustainable Environment, Energy, and Resource Economics (PhD)	2019–
Harvard University	
API 135/ECON 1661: Environmental Economics (TA for Robert Stavins)	2015
Ph.D. Math Camp, Harvard Kennedy School	2013–2015

Seminar and Conference Presentations (including scheduled)

2023: ASSA Annual Meeting, Empirical Methods in Energy Economics, Arizona State University, HBS Junior Innovation Economics Conference, Northeast Workshop on Energy Policy and Environmental Economics (discussant), Heartland Environmental and Resource Economics Workshop, Cornell University, UT Austin

2022: ASSA Annual Meeting (presenter and discussant), Oxford, IIOC, USITC, AERE Summer Conference, Northeast Workshop on Energy Policy and Environmental Economics (presenter and discussant), NBER Distributional Consequences of New Energy Technologies Conference (discussant), NBER Economics of Innovation in the Energy Sector Conference (panelist)

2021: ASSA Annual Meeting (session organizer), Northeast Environmental Virtual Seminar (Columbia-Cornell-MIT-Stanford), Berkeley-Harvard-Yale EEE Seminar, UW-Madison AAE, AERE Summer Conference, Northeast Workshop on Energy Policy and Environmental Economics, LSE Workshop in Environmental Economics, EAERE Annual Conference

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

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 and Environmental Economics

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

2015: Northeast Workshop on Energy Policy and Environmental Economics, AERE Summer Conference, EAERE-FEEM-VIU Summer School

Professional Service

AERE@ASSA Program Committee

2023–2025

Referee: *American Economic Journal: Applied Economics*, *American Economic Journal: Economic Policy*, *American Economic Journal: Microeconomics*, *American Economic Review*, *American Economic Review: Insights*, *Ecological Economics*, *Economic Inquiry*, *Energy Economics*, *The Energy Journal*, *Environmental and Resource Economics*, *Journal of the Association of Environmental and Resource Economists*, *Journal of Economic Behavior and Organization*, *Journal of Environmental Economics and Management*, *Journal of the European Economic Association*, *Journal of Industrial Economics*, *Journal of Political Economy*, *Journal of Microeconomics*, *Journal of Public Economics*, *Management Science*, *Review of Economics and Statistics*, *Review of Economic Studies*, *Review of Environmental Economics and Policy*, *Science*

Ad-hoc reviewer: Alfred P. Sloan Foundation, European Research Council

Conference reviewer: *AERE* (2019–2023), *EAERE* (2021–2023), *EMEE* (2020, 2024)