

Catherine H. Hausman

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Research Interests

Energy and Environmental Economics; Applied Microeconomics

Appointments

University of Michigan

Associate Professor, Ford School of Public Policy, 2020 - present

Assistant Professor, Ford School of Public Policy, 2013 - 2020

National Bureau of Economic Research

Research Associate, 2020 - present

Faculty Research Fellow, 2015 - 2020

Education

Ph.D. in Agricultural and Resource Economics, University of California, Berkeley, 2013

B.A., Spanish and Portuguese Studies, Economics, *Summa cum laude*, University of Minnesota, 2004

Publications

Peng, J., Buchsbaum, J., Hausman, C., and Mathieu, J. L. “Power system decarbonization: A comparison between carbon taxes and forcing coal power plant retirements.” Accepted, *IEEE Transactions on Sustainable Energy*.

Gorchov Negron, A. M., E. A. Kort, G. Plant, A. R. Brandt, Y. Chen, C. Hausman, and M. L. Smith. 2024. “Measurement-based carbon intensity of US offshore oil and gas production.” *Environmental Research Letters*, 19: 064027.

Buchsbaum, J., C. Hausman, J. L. Mathieu, and J. Peng. 2024. “Spillovers from Ancillary Services to Wholesale Energy Markets.” *RAND Journal of Economics*, 55(1): 87-111.
– A previous version of this paper circulated under the title “Multi-Product Firms in Electricity Markets: Implications for Climate Policy.”

Davis, L. W., C. Hausman, and N. L. Rose. 2023. “Transmission Impossible? Prospects for Decarbonizing the US Grid.” *Journal of Economic Perspectives*, 37(4): 155-80.

- Gorchov Negron, A. M., E. A. Kort, Y. Chen, A. R. Brandt, M. L. Smith, G. Plant, A. K. Ayasse, S. Schwietzke, D. Zavala-Araiza, C. Hausman, and Á. F. Adames-Corraliza. 2023. “Excess methane emissions from shallow water platforms elevate the carbon intensity of US Gulf of Mexico oil and gas production.” *Proceedings of the National Academy of Sciences*, 120(15).
- Davis, L. and C. Hausman. 2022. “Who Will Pay for Legacy Utility Costs?” *Journal of the Association of Environmental and Resource Economists*, 9(6): 1074-1277.
- Peng, J., J.L. Mathieu, J. Buchsbaum, and C. Hausman. 2022. “Long-term Impacts of Energy Storage Providing Regulation on Power Plant Retirements and System Emissions.” *Proceedings of the Hawaii International Conference on System Sciences (HICSS)*.
- Hausman, C. and S. Stolper. 2021. “Inequality, Information Failures, and Air Pollution.” *Journal of Environmental Economics and Management*, 110: 102552.
- Davis, L. and C. Hausman. 2020. “Are Energy Executives Rewarded For Luck?” *The Energy Journal*, 41(6): 157-180.
- Hausman, C. 2019. “Shock Value: Bill Smoothing and Energy Price Pass-Through.” *Journal of Industrial Economics*, 67(2): 242-278.
- Hausman, C. and L. Muehlenbachs. 2019. “Price Regulation and Environmental Externalities: Evidence from Methane Leaks.” *Journal of the Association of Environmental and Resource Economists*, 6(1): 73-109.
- Hausman, C. and D. Rapson. 2018. “Regression Discontinuity in Time: Considerations for Empirical Applications.” *Annual Review of Resource Economics*, 10: 533-552.
- Auffhammer, M., P. Baylis, and C. Hausman. 2017. “Climate Change is Projected to Have Severe Impact on the Frequency and Intensity of Peak Electricity Demand across the United States.” *Proceedings of the National Academy of Sciences*, 114(8): 1886-1891.
- Davis, L. and C. Hausman. 2016. “Market Impacts of a Nuclear Power Plant Closure.” *American Economic Journal: Applied Economics*, 8(2): 92-122.
 – A previous version of this paper circulated under the title “The Value of Transmission in Electricity Markets: Evidence from a Nuclear Power Plant Closure,” NBER Working Paper 20186.
- Hausman, C. and R. Kellogg. 2015. “Welfare and Distributional Implications of Shale Gas.” *Brookings Papers on Economic Activity*, Spring: 71-125.
- Hausman, C. 2014. “Corporate Incentives and Nuclear Safety.” *American Economic Journal: Economic Policy*, 6(3): 178-206.
 – This paper was replicated by: Lei, Z. and C. Tsai. 2019. “Market Deregulation and Nuclear Safety,” *Energy Economics*, 82: 62-67.
 – I respond to Lei and Tsai in: Hausman, C. 2019. “Comment: Market Deregulation and

Nuclear Safety,” *Energy Economics*, 82: 68-69.

Hausman, C. 2012. “Biofuels and Land Use Change: Sugarcane and Soybean Acreage Response in Brazil.” *Environmental and Resource Economics*, 51(2): 163-187.

Hausman, C., M. Auffhammer, and P. Berck. 2012. “Farm Acreage Shocks and Crop Prices: An SVAR Approach to Understanding the Impacts of Biofuels.” *Environmental and Resource Economics*, 52(1): 117-136.

Working Papers

Hausman, C. “Power Flows: Transmission Lines, Allocative Efficiency, and Corporate Profits.” NBER Working Paper 32091. Revise and resubmit, *American Economic Review*.

Other Writing

Hausman, C. 2023. “Principles for Public Investment in Climate-Responsible Energy Innovation.” *Policy Proposal, The Hamilton Project*.

Hausman, C. and D. Raimi. 2019. “Plugging the Leaks: Why Existing Financial Incentives Aren’t Enough to Reduce Methane.” *Kleinman Center for Energy Policy – Policy Digest*, 4 February.

Davis, L. and C. Hausman. 2015. “Power of the Atom.” *IMF Finance and Development*, 52(4): 18-19.

Haddad, M., A. Harrison, and C. Hausman. 2011. “An Anatomy of Trade in the 2008-09 Crisis.” In *Managing Openness: Trade and Outward-Oriented Growth after the Crisis.*, edited by M. Haddad and B. Shepherd. Washington, D.C.: The World Bank.

Haddad, M., A. Harrison, and C. Hausman. 2010. “Decomposing the Great Trade Collapse: Products, Prices and Quantities in 2007-2009.” NBER Working Paper 16253.

Teaching Experience

Economics of Energy and Environmental Policy (Undergraduate)

Policy Seminar: Energy and Climate (Undergraduate)

Statistics (MPP)

Government Regulation of Industry and the Environment (MPP)

Grants, Fellowships, and Honors

Sloan Foundation (Co-P.I.s Arik Levinson and Shanjun Li), 2021-2024

Research Grant, Sloan Foundation (Co-P.I. Johanna Mathieu), 2019-20

John V. Krutilla Research Stipend, Resources for the Future, 2016-17

Collaborator, SSHRC Insight Development Grant (P.I. Lucija Muehlenbachs), 2016-18

Instructional Development Fund, CRLT, U Michigan, 2015
John L. Simpson Memorial Research Fellowship, UC Berkeley, 2010-11
Outstanding Graduate Student Instructor Award, UC Berkeley, 2009
Fulbright Award, Peru, United States Department of State, 2004-05

Selected Presentations

- 2024: NBER Economics of Decarbonizing the Built Environment, University of Colorado, NBER Corporate Associates meeting, University of Pennsylvania, UT Austin (scheduled), Columbia University (scheduled)
- 2023: AEA/ASSA Annual Meetings, UM Center on Finance Law & Policy, UM Institute for Social Research, University of Minnesota – Jon Goldstein Memorial Lecture, UC Santa Barbara, National Academy of Sciences, University of Chicago
- 2022: AEA/ASSA Annual Meetings, Graduate Institute Geneva (IHEID), National Association for Business Economics, DIW Berlin, London School of Economics and Political Science, Department of Energy / Institute for Policy Integrity, Dallas Fed
- 2021: AEA/ASSA Annual Meetings, UC Berkeley POWER, Penn State, WEAI Virtual International Conference, U Illinois, Oxford – Medical Statistics Group, Resources for the Future, WEAI Annual Conference, Energy Institute at Haas, University of Hawaii, Western University, U.S. Environmental Protection Agency, Indiana University
- 2020: UM H2D2 Research Day, GOSEE, UC Berkeley POWER, Environmental Defense Fund, Berkeley/Sloan Summer School, SWEEEP, Georgetown
- 2019: AEA/ASSA Annual Meetings, University of Minnesota, University of California Energy Institute, University of Maryland
- 2018: NBER EEE Program Meeting joint with Economics of Energy Distribution, University of California Energy Institute, Cornell, UM Library Emergent Research Series, University of Pennsylvania - Kleinman Center, University of Pennsylvania - Wharton, Universite de Quebec a Montreal
- 2017: AEA/ASSA Annual Meetings, Michigan University-wide Sustainability and Environment conference, Columbia SIPA, Colorado School of Mines, Arizona State, Calgary
- 2016: NBER Future of Energy Distribution Meeting, Bank of Canada, Midwest Energy Fest, AERE Summer Conference, Duke/NCSU/RTI, UC Davis, Yale
- 2015: AEA/ASSA Annual Meetings, University of Toronto, Brookings Panel on Economic Activity, AERE Summer Conference, California Occasional Workshop in Environmental and Resource Economics
- 2014: University of California Energy Institute, University of Illinois at Urbana-Champaign, MIT CEEPR Workshop, Michigan State University, Carnegie Mellon University
- 2013: Rice University, University of British Columbia, Dartmouth College, Calgary University, University of Colorado, UC Irvine, University of Michigan School of Public Policy, Wellesley College, Williams College, AERE Summer Conference, NBER Summer Institute
- 2012: George Washington University School of Public Policy
- 2011: California Public Utilities Commission, Heartland Workshop (U Illinois), CU Environmental and Resource Economics Workshop, AERE Summer Conference, ARE Environment and Resource Economics Seminar (UC Berkeley)

2009: Occasional California Workshop on Environmental and Resource Economics, CU Environmental and Resource Economics Workshop, Camp Resources, Congress of ALEAR, ARE Environment and Resource Economics Seminar (UC Berkeley)

Other Information

Affiliations: American Economic Association, Association of Environmental and Resource Economists

Languages: English (native), Spanish (fluent), Portuguese (proficient)

Professional activities:

Co-Editor: *Journal of the Association of Environmental and Resource Economists*

Board of Editors: *Journal of Economic Literature*

Editorial Council: *Journal of Environmental Economics and Management*

Referee service: Agricultural Economics, American Economic Journal: Applied Economics, American Economic Journal: Economic Policy, American Economic Review, American Journal of Agricultural Economics, Applied Economic Perspectives and Policy, Ecological Economics, Economic Inquiry, Economic Journal, Energy Economics, The Energy Journal, Energy Policy, Environmental and Resource Economics, European Economic Review, Fiscal Studies, International Journal of Industrial Organization, Joule, Journal of the Association of Environmental and Resource Economists, Journal of Economic Behavior & Organization, Journal of Environmental Economics and Management, Journal of Health Economics, Journal of Human Resources, Journal of Industrial Economics, Journal of Labor Economics, Journal of Law and Economics, Journal of Public Economics, Leadership Quarterly, Management Science, Nature - Energy, PNAS, RAND, Resource and Energy Economics, Review of Economics and Statistics, Review of Environmental Economics and Policy, Utilities Policy