Catherine H. Hausman

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Research Interests

Energy and Environmental Economics; Applied Microeconomics

Appointments

University of Michigan
- Lenore K. and Robert Damrauer Professor of Social Policy, Ford School of Public Policy, 2026 - present
- Associate Professor, Ford School of Public Policy, 2020 - 2026
- 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, University of Minnesota, 2004

Publications

Lemoine, D. ⓡ C. Hausman ⓡ J. Shrader. "Navigating the 'Problem from Hell': A Guide to Climate Damages." Accepted, *Journal of Economic Literature*. ⓡ *indicates author order randomized.*

Ham, D., O. Kay, and C. Hausman. 2026. "Transmission lowers US generation costs, but generator incentives are not aligned." *Proceedings of the National Academy of Sciences*, 123(9). *Author order randomized.*

Hausman, C. 2025. "Power Flows: Transmission Lines, Allocative Efficiency, and Corporate Profits." *American Economic Review*, 115(8): 2574-2615.

Peng, J., J. Buchsbaum, C. Hausman, and J. L. Mathieu. 2024. "Power system decarbonization: A comparison between carbon taxes and forcing coal power plant retirements." *IEEE Transactions on Sustainable Energy*, 15(4): 2310-2321.

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

Armitage, S., C. Hausman, and J. Boomhower. "Cutting Costs or Cutting Corners: Asset Reallocation in Oil and Gas Production." NBER Working Paper 34961.

Other Writing

Hausman, C. 2026. "Making Sense of the Grid: Long Lines, Local Lines, and the Interconnection Problem." Commentary, SSRC Build Network.

Raimi, D. and C. Hausman. 2026. "Comment on the Bureau of Land Management's Proposed Rule on Oil and Gas Leasing." Public Comment, Federal Register Document Number 2026-1273.

Hausman, C., A. Levinson, and S. Li. 2024. "An Introduction to Distributional Consequences of New Energy Technologies and Policies." *Journal of the Association of Environmental and Resource Economists*, 11(S1): S1-S7.

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.

Hausman, C. and D. Raimi. 2018. "Comments to US EPA on the Proposed Reconsideration

of the Oil and Natural Gas Sector Emission Standards for New, Reconstructed, and Modified Sources." Public Comment, Docket ID No. EPA-HQ-OAR-2017-0483.

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

Economics of Energy and Environmental Policy (Undergraduate)
Industry and Environmental Regulation (Undergraduate)
Policy Seminar: Energy and Climate (Undergraduate)
Statistics (MPP)
Government Regulation of Industry and the Environment (MPP)

PhD Student Advising

Mary Quiroga (Public Policy, Economics)
Eva Wang (Economics)
Niaoniao You (Economics)
Owen Kay (Public Policy, Economics)
Jing Peng (Electrical Engineering & Computer Science)
Carolina Tojal Ramos dos Santos (Economics)
Mayak Kumar (Finance)
Nafisa Lohawala (Economics)
Meera Mahadevan (Economics)
Alecia Cassidy (Economics)
Harim Kim (Economics)
Sarah Johnston (Economics)
Yiyuan Zhang (Economics)
Paul Brehm (Economics)
Evan Herrnstadt (Economics)

Grants, Fellowships, and Honors

Strategic Initiative Fund, U Michigan (P.I.s Jingyuan Wang and Luming Chen), 2026-29
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 (Including Scheduled)

2027: Yale Law, Damrauer lecture (UM), NBER's Microeconomic Policies and Economic Growth

2026: Dartmouth, Carnegie Mellon, Vanderbilt, Williams, NYU Institute for Policy Integrity, ETH Zurich, SURED conference (keynote), Dallas Fed workshop (keynote), SEAS (UM), Institute for Energy Solutions (UM), London School of Economics, Paris School of Economics, Tulane, Colorado School of Mines

2025: UC Berkeley POWER, Toulouse School of Economics, San Francisco Fed, Electricity Camp in the Rockies (keynote), AERE Summer Conference, Resources for the Future, Southeastern Workshop on Energy & Environmental Economics & Policy (keynote), Illinois Sustainable Technology Center, Niskanen Center workshop, Future of Heat Initiative

2024: NBER Economics of Decarbonizing the Built Environment, University of Colorado, NBER Corporate Associates meeting, University of Pennsylvania, UT Austin, Columbia University, National Tax Association

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 workshop (keynote), 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*
Steering Committee: Institute for Energy Solutions (UM)

Referee service: Agricultural Economics, American Economic Journal: Applied Economics, American Economic Journal: Economic Policy, American Economic Review, American Economic Review: Insights, American Journal of Agricultural Economics, Applied Economic Perspectives and Policy, Climatic Change, Ecological Economics, Economic Inquiry, Economic Journal, Energy Economics, The Energy Journal, Energy Policy, Environmental and Resource Economics, Environmental Research: Energy, 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 Economic Literature, 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, PNAS Nexus, Quarterly Journal of Economics, RAND, Resource and Energy Economics, Review of Economics and Statistics, Review of Environmental Economics and Policy, Science, Utilities Policy