

DYLAN T. BREWER

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EXPERIENCE

Assistant Professor, Georgia Institute of Technology, School of Economics, 2019-present.

EDUCATION

Ph.D., Economics, Michigan State University, dual major in Environmental Science and Policy.
Thesis: "Institutions and Incentives for the Efficient Use of Energy," 2019.

M.A., Economics, Michigan State University, 2016.

B.A., Economics, International Relations, and Mathematics (minor), University of Virginia, 2014.

FIELDS OF SPECIALIZATION

Environmental and Energy Economics, Applied Microeconomics, Public Economics, Urban Economics.

PEER-REVIEWED ARTICLES

1. Brewer, Dylan, Daniel Dench, and Maxwell Rosenthal. (2026, forthcoming). "Energy Price Pass-Through With Long-Term Contracts." *Forthcoming at Economics Letters*.
2. Brewer, Dylan and Jim Crozier. (2025). "Do people listen when it matters? Estimating household responses to government requests to conserve energy using smart thermostat data." *Journal of the Association of Environmental and Resource Economists*, vol. 12, no. 6, 1747-1789.
3. Kamble, Vikrant K., Dylan Brewer, and Matthew E. Oliver. (2025). "Is there a tradeoff between forest expansion and agriculture? Evidence from India." *Land Economics*, vol. 101, no. 3, 304-329.
4. Brewer, Dylan and Sarah Goldgar. (2024). "The effect of extreme temperatures on evictions." *Journal of Environmental Economics and Management*, vol. 128, 103055, 1-8.
5. Brewer, Dylan and Graham Lewis. (2024). "Work from home, polarization, and new residential construction during COVID-19." *Applied Economics Letters*, 1-5.
6. Brewer, Dylan and Alyssa Carlson. (2024). "Addressing Sample Selection Bias for Machine Learning Methods." *Journal of Applied Econometrics*, vol. 39, no. 3, 383-400.
7. Brewer, Dylan and Samantha Cameron. (2023). "Habit formation and retention in recycling." *Journal of Policy Analysis and Management*, 00, 1-20.
8. Brewer, Dylan. (2023). "Household Responses to Winter Heating Costs: Implications for Energy Pricing Policies and Demand-Side Alternatives." *Energy Policy*, vol. 177, 113550, 1-12.

9. Brewer, Dylan, Daniel Dench, and Laura Taylor. (2023). “Advances in Causal Inference at the Intersection of Air Pollution and Health Outcomes Data.” *Annual Reviews of Resource Economics*, vol. 15, 455-469.
10. Brewer, Dylan. (2023). “Changes in electricity use following COVID-19 stay-at-home behavior.” *Economics of Energy and Environmental Policy*, vol. 12 no. 1, 1-30.
11. Brewer, Dylan. (2022). “Equilibrium Sorting and Moral Hazard in Residential Energy Markets.” *Journal of Urban Economics*, vol. 129, 1-22.
12. Brewer, Dylan. (2020). “Do preferred thermostat settings differ by sex?” *Energy and Buildings*, vol. 224, 1-11.

WORKING PAPERS

1. “The effect of mass layoffs on related industries: Evidence from a mining ban in India.” Joint with Vikrant K. Kamble. *Working paper*.
2. “Of Presidents and Prices at the Pump: Do Economists Have a Blind Spot?” Joint with Matthew E. Oliver. *Working paper*.
3. “Health vs wealth: The impact of mining on pregnancy outcomes.” Joint with Vikrant K. Kamble. *Working paper*.
4. “Digital Dispatch and Demand Response in Grid Emergencies: Evidence from Household Cooling in California’s Flex Alerts.” Joint with Soren Anderson and Maghfira Ramadhani. *Working paper*.
5. “The Impact of Environmental Exposures on Human Performance: Evidence from 837,000 Chicago Marathon Times.” Joint with Marta Westerstahl. *Working paper*.
6. “Tax Policy and Energy Markets: Evaluating the Efficacy of Production Tax Relief on Oil & Gas Activity.” Joint with Samuel Camacho and Jerrod Penn. *Working paper*.
7. “Practical Considerations When Using Wildfire Smoke Data in Economic Analyses.” Joint with Elise Breshears and Andrew Earle. *Working paper*.

OTHER PUBLICATIONS

1. Brewer, Dylan. (2020). “The Economic Costs of Forecasting Errors in the PJM Interconnection Due to the COVID-19 Quarantine.” *IAEE Energy Forum*, Covid-19 Special Issue, 116-119.

GRANT-FUNDED WORK

1. Strategic Energy Institute Grant, Georgia Institute of Technology, “The strategic mineral economy: Challenges and opportunities for critical resources.” *Principle Investigator*. Co PIs: Bobby Harris and Matthew Swarts. \$160,000. 2025.
2. Brook Byers Institute for Sustainable Systems Sustainability Next Seed Grant, “Assessing inequality in health benefits from EV adoption, charging, and air pollution.” *Principle Investigator*. Co PIs: Jennifer Kaiser and Daniel Molzahn. \$17,917. 2024.
3. United States Environmental Protection Agency Grant, “Monitoring Air Pollution in Underserved South Atlanta (MAP-USA).” *Principle Investigator for Georgia Tech*. \$498,401. 2022-2025.

4. Ivan Allen College, Georgia Institute of Technology Small Grant for Research SGR-B. \$5,000. 2022-2023.
5. Strategic Energy Institute, Georgia Institute of Technology Grant, “The Effects of Internal Combustion Engine Transit Systems on Health: An Interdisciplinary Research Program Linking Transit-Related Pollution to Birth Outcomes.” *Principle Investigator*. Co PI: Randall Guensler. \$119,855. 2022-2023.
6. Executive Vice Provost for Research, Georgia Institute of Technology Seed Grant, “The Health Effects of Air Pollution: An Interdisciplinary Research Program.” *Collaborator*. PIs: Randall Guensler and Laura Taylor. \$48,635. 2021.
7. Serve-Learn-Sustain, Georgia Institute of Technology Toolkit Grant. *Principle Investigator*. \$1,000. 2019-2020.

PRESENTATIONS

2026: AERE at MEA (upcoming)

2025: EMEE at the World Bank; AERE at MEA; Agnes Scott College, AERE at SEA, University of Georgia.

2024: AERE at MEA; AERE at SEA; Georgia Tech Sustainability Showcase.

2023: AERE at MEA; Georgia Environmental Protection Division Air Quality Forecasting Workshop; AQ ATL Symposium; AERE at SEA; Brook Byers Institute for Sustainable Systems seminar series; SWEEP at Georgia Tech; APPAM; Georgia State University.

2022: AERE at MEA; AERE Summer Conference, Ivan Allen College Lightning Talk Series: Environmental Sustainability; Georgia Tech; AERE at SEA; Michigan State University; Ohio University; University of Texas.

2021: AERE at MEA; Public Choice Society Meetings; Strategic Energy Institute Energy & Public Health Workshop; AERE at SEA; Berry College; Virginia Tech.

2020: Southern Economics Association; AERE Virtual Conference; AERE at MEA (cancelled, Covid-19); Public Choice Society Meetings (cancelled, Covid-19); College of Charleston.

2019: Southeastern Energy & Environmental Economics Workshop, Georgia Tech; Sustainability Showcase, Georgia Tech; Wake Forest Department of Economics; Georgia Tech School of Economics; Davidson College Department of Economics; James Madison University Department of Economics; University of Georgia Applied and Agricultural Economics; Iowa State University Department of Economics; Midwest Energy Fest (Chicago).

2018: Midwest Energy Fest (Northwestern); Energy Camp at Haas (UC-Berkeley); IHS Graduate Research Colloquium (Chapman University); Camp Resources (NC State); CU Boulder Environmental Workshop; APPAM; SEA.

2017: MEA; PERC Workshop; Heartland Workshop (Illinois).

2016: MSU Agricultural Food and Resource Economics Graduate Student Colloquium; Environmental and Energy Economics Day at UM/MSU/WMU.

2015: IHS Graduate Research Colloquium.

EDITORIAL AND PEER REVIEW EXPERIENCE

Editorial appointments

Associate Editor, *Cogent Economics and Finance*, 2025-present.

Associate Editor, *Energy Economics*, 2026-2028.

Peer review service

The Journal of Regional Analysis and Policy; Energy Journal (x6); Utilities Policy (x3); AERE conference papers (x5); JAERE (x3); JEEM (x7); Air Quality, Atmosphere & Health (x5), Energy Policy (x3), Journal of Policy Analysis and Management (x3), Energy Economics (x7), iScience, Journal of Economic Behavior and Organization, Energy Strategy Reviews (x3), Journal of Housing Economics, Atmospheric Environment, IAEE conference papers, Economic Journal, Engineering, JPE: Micro, Housing Policy Debate, Environment and Development Economics

TEACHING EXPERIENCE

Georgia Institute of Technology

Principles of Microeconomics: Fall 2020, Fall 2021, Spring 2022, Fall 2022.

Undergraduate Environmental Economics: Spring 2020, Spring 2021, Spring 2023, Spring 2024, Spring 2025.

Masters Economics of Environmental Policy: Spring 2023.

Undergraduate Research: 2020-2025.

PhD Empirical Environmental Economics: Spring 2020, Spring 2021, Spring 2023, Spring 2024, Spring 2025.

Michigan State University

Introduction to Macroeconomics: Summer 2016.

UNIVERSITY SERVICE

Reviewer for Grants to Enhance and Advance Research and Scholarship (GEARS), Ivan Allen College, 2025.

Joint Degree Committee, School of Economics, 2025-2026.

Website Committee, School of Economics, 2025.

Annual Review Committee (elected), School of Economics, 2025.

Energy and Environmental Lunch (EEL) organizer, 2022-present.

PURA Salary Awards Reviewer, 2024, 2025.

Annual Review Committee Alternate (elected), School of Economics, 2024.

Econometrics Faculty Search Committee Member, School of Economics, 2023-2024.

BBISS Faculty Fellows Review Committee, 2023.

Climate Action Plan Building Utilities Working Group, Georgia Tech, 2023.

Third Year Paper Reviewer, Georgia Tech School of Economics, 2023, 2025.

Faculty Advisory Council, Strategic Energy Institute, Georgia Tech, 2022-2024.

Energy Transition Economics Faculty Search Committee Member, School of Economics, 2022-2023.

Faculty Executive Committee (elected), School of Economics, 2022.

Shadow Day at Georgia Institute of Technology Presenter, 2021.

BS in Data Science Planning Committee Member, 2019-2020.

Faculty Handbook Committee Member, School of Economics, 2019-2020.

Environmental Economics Faculty Search Committee Member, School of Economics, 2019-2020.

Co-organizer of the Southeastern Workshop for Environmental and Energy Economics and Policy (SWEEEP), 2019, 2023-2025.

Undergraduate Programs Committee Member, School of Economics, 2019-present.

Nominated, Michigan State University “Outstanding Doctoral Student Mentor Award,” 2018.

Environmental Science and Public Policy Graduate Program Council Representative, 2017-2019.

Michigan State Economics Graduate Student Organization President, 2016-2017.

Michigan State University Graduate Economics First Year Mentorship Program Founder and Organizer, 2015-2017.

Red Cedar Conference Organizer, Michigan State University Department of Economics, 2015.

PHD STUDENT ADVISING

Tannishtha Ghosh, Mehmet Akif Aglar, David Wilson (chair), Maghfira Ramadhani (chair), Min-Kyeong Cha, Vincent Xinyi Gu, R. Jim Crozier (chair), Emtiaz Hritan (co-chair), Archana Ghodeswar, Vikrant Kamble (co-chair), and Jancy Ling Liu (co-chair).

NONPROFIT EXPERIENCE

Trustee, Board of Trustees for The Nature Conservancy of Michigan, 2018-2020.

FELLOWSHIPS AND AWARDS

“Excellence in Refereeing Award” from the Association of Environmental and Resource Economists, 2026.

Energy Faculty Affiliate, EPIcenter, Georgia Tech, 2024-2026

Faculty Fellow, Brook Byers Institute for Sustainable Systems, Georgia Tech, 2022-2025.

Student Recognition of Excellence in Teaching: Class of 1934 CIOS Honor Roll, 2022.

Ivan Allen College of Liberal Arts 2021 Distinguished Tenure-Track Faculty Teaching Award.

10x Center for Teaching and Learning “Thank-A-Teacher” Notes 2020-2025.

Runner up for SLS Faculty Sustainable Communities Teaching Awards, 2021: People’s Choice.

Student Recognition of Excellence in Teaching: Class of 1934 CIOS Honor Roll, 2020.

Class of 1969 Teaching Fellowship, Georgia Institute of Technology, 2020-2021.

Dissertation Completion Fellowship, Michigan State University, 2019.
William S. Broadbent Family Award, Property and Environment Research Center, 2018.
Humane Studies Fellowship, Institute for Humane Studies, 2018.
Goodman Fellow, Michigan State University Department of Economics, 2018.
Dan Searle Fellow, Institute for Humane Studies, 2017.
Graduate Fellow, Property and Environment Research Center, 2017.
Holt Fellow, Michigan State University Department of Economics, 2017.
Leslie Rose Fellow, Institute for Humane Studies, 2017.
Thomas C. and Irene W. Graham Fellow, Institute for Humane Studies, 2016.
Environmental Science and Public Policy Fellow, Michigan State University 2014.
Thomas C. and Irene W. Graham Fellow, Institute for Humane Studies, 2014.