

Sarah Banas Mills, PhD

Graham Sustainability Institute | University of Michigan
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Education

- PhD University of Michigan. 2015. Urban and Regional Planning with a Certificate in Survey Methodology.
Dissertation: “Preserving Agriculture through Wind Energy Development: A Study of the Social, Economic, and Land Use Effects of Windfarms on Rural Landowners and Their Communities”
Committee: Richard Norton (chair), Larissa Larsen, Robert Marans, Barry Rabe
(*Received Distinguished Dissertation Award for Urban Planning*)
- MPhil University of Cambridge. 2005. Engineering for Sustainable Development.
(*Recognition of Outstanding Achievement*)
- B.S. Villanova University. 2004. Mechanical Engineering Major, Honors Concentration, Peace and Justice Minor.
(*Summa Cum Laude and University Valedictorian*)

Current Positions

Director, Center for EmPowering Communities, Graham Sustainability Institute, University of Michigan

Associate Professor of Practice, Urban & Regional Planning Program, Taubman College of Architecture and Urban Planning

Previous Positions

Lecturer III, School for Sustainability and the Environment, University of Michigan (2021-2023)

Senior Project Manager (Research Area Specialist), Center for Local, State, and Urban Policy (CLOSUP), Gerald R. Ford School of Public Policy, University of Michigan (2017 – 2020)

Postdoctoral Fellow, Center for Local, State, and Urban Policy (CLOSUP), Gerald R. Ford School of Public Policy, University of Michigan (January 2015 – May 2017)

Town Surveyor and Planner, Kapoeta South County, Kapoeta, South Sudan (2011)

Project Coordinator, Eastern Equatoria Emergency Food Distribution, Lutheran World Federation, Juba, South Sudan (2010)

Program Associate, Center for Science, Technology, and Sustainable Development
American Association for the Advancement of Science (AAAS), Washington, DC (2006-2009)

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Senior Analyst, The Cadmus Group, Watertown, MA, (2005-2006)

Funded Research

- PI: Michigan Energy Office. \$991,971. “Expanding stakeholder engagement on energy management – Phase 2.” 2021-2024
- PI: Heising-Simons Foundation. \$200,000. “EmPowering Communities Towards a Prosperous Future.” 2023-2024
- Co-I: Department of Energy via LBNL. \$2,850,000. “Community-Centered Solar Development.” 2021-2024
- Co-PI: Department of Energy. \$1M. “Mapping and Bridging Barriers in Knowledge Flows of How Solar Photovoltaics Affect Rural Community Economies,” 2021-2024
- PI: Heising-Simons Foundation, \$30,000. “Facilitating planning for clean energy resources in rural communities.” 2022-2023
- PI: 5 Lakes Energy, \$40,000. “Community Acceptance of Renewable Energy in the Midwest.” 2020-2021
- Co-I: Office of the Great Lakes, \$76,571. “Coastal Resiliency Surveys,” 2019-2020
- PI: Michigan Energy Office. \$15,000. “Community energy management.” 2019
- Co-I: Graham Sustainability Institute, \$10,000. “Expanding the Renewable Energy Policy Initiative,” 2019
- Co-I: C.S. Mott Foundation. \$250,000. “Support Implementation of 2018 Michigan Lead and Copper Rule,” 2018-2019
- PI: C.S. Mott Foundation. \$80,000. “Community Acceptance of Wind Energy in Michigan,” 2016-2017
- Dow Sustainability Doctoral Fellowship, \$50,000, 2013-2015

Other funding

- Early Career Travel Fellowship to the Energy Impacts Symposium and Workshop (2017)
- Co-PI: Transforming Learning for Third Century Quick Wins. \$49,048. “CLOSUP in the Classroom,” (2015-2017)
- Robert and Judy Marans/Kan and Lillian Chen Fellowship in Sustainability and Survey Methodology (2012-2013)
- Rackham Merit Fellowship (2011-2016)

Courses Taught

Urban Planning Capstone (URP 604). Winter 2024

Energy Planning (URP 610). Fall 2023

SEAS Master’s Themes Course: “Climate + Energy” (EAS 701.428). Winter 2022, Fall 2022, Winter 2023

State and Local Renewable Energy Policy (PUBPOL 750; EAS 501). Winter 2019, Fall 2020, 2021. Graduate. (*Ford School Teaching Honor Roll*)

Energy & Environmental Policy Research (ENV 302/PUBPOL 495). Winter 2017, 2018, 2020, 2021. Upper-level undergraduate. (*Ford School Teaching Honor Roll*)

Environmental Policy and Politics. (ENV 312 / PolSci 380 / PUBPOL 312). Fall 2015. Upper-level undergraduate. (*Ford School Teaching Honor Roll*)

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(GSI) Land Use Policy, Law, and the Environment. Program in the Environment (ENV 408). Upper-level undergraduate. (2013-2014 *PitE Outstanding GSI Award*)

Publications

- Bessette, D., Hoen, B., Rand, J., Hoesch, K., White, J., **Mills, S.**, and Nilson, R. (2024). Good fences make good neighbors: Stakeholder perspectives on the local benefits and burdens of large-scale solar energy development in the United States. *Energy Research & Social Science*, 108: 103375
- Newman, J., **Mills, S.**, and Soderstrom, S. (2023). Training Leaders to Facilitate an Energy Transition: Retrospective Evaluation of Course Design. *Sustainability*, 15(13): 9910.
- Crawford, J., Bessette, D., and **Mills, S.** (2022) Rallying the anti-crowd: Organized opposition, democratic deficit, and a potential social gap in large-scale solar energy. *Energy Research & Social Science*, 90: 102597
- Uebelhor, E., Hintz, O., **Mills, S.**, and Randall, A. (2021). Utility-scale solar in the Great Lakes: Analyzing community reactions to solar developments. *Sustainability*, 13: 1677.
- Bessette, D.L., and **Mills, S.** (2021). Farmers vs. lakers: Agriculture, amenity, and community in predicting opposition to United States wind energy development *Energy Research & Social Science*, 72: 101873
- Veldman, R., Wald, D., **Mills, S.**, and Peterson, D. (2020). Who are American Evangelical Protestants and why do they matter for US climate policy? *WIRES Climate Change*.
- Pritchard, Z., and **Mills, S.** (2021). Renewable energy requirements on the ballot: An analysis of county-level voting results. *Energy Policy*, 148: 111949.
- Knapp, L., O'Shaughnessy, E., Heeter, J., **Mills, S.**, and DeCisso, J.M. (2020). Will consumers really pay for green electricity? Comparing stated and revealed preferences for residential programs in the United States. *Energy Research & Social Science*, 65: 101457
- Leiser, S., and **S. Mills.** (2019). Local Government Fiscal Health: Comparing Self-Assessments to Conventional Measures. *Public Budgeting and Finance*, 3(39): 75-96
- Mills, S.**, Bessette, D., and Smith, H. (2019). Exploring landowners' post-construction changes in perceptions of wind energy in Michigan. *Land Use Policy*, 82: 754-762
- Mills, S.** (2019) A \$2 bill or two \$1 bills: An experiment that challenges standard protocol. *Field Methods*, 31(3): 230-240
- Rabe, B.G., and **Sarah Mills.** (2017). State Energy Policy in the Trump Era: Insights from Public Opinion. *Journal of Environmental Studies and Science*, 7: 535-539
- Mills, S.** (2017) Wind Development in Pennsylvania: A Reflection on State Policy. *Commonwealth: A Journal of Pennsylvania Politics and Policy*. 19(1)
- Mills, S.**, and Christopher Gore. (2016). Public and local government leader opinions on environmental federalism: Comparing issues and national contexts. *State and Local Government Review*. 48(3): 165-174.
- Wiek, A., C. Redman, **S. Mills**, and L. Withycombe. (2011). Moving forward on competence in sustainability research and problem-solving. *Environment - Science and Policy for Sustainable Development*. 53(2): 3-13.
- Ferrer-Balas, D., J. Adachi, **S. Banas**, C.I. Davidson, A. Hoshikoshi, A. Mishra, Y. Motodoa, Onga, M. Ostwald. (2008). An international comparative analysis of sustainability transformation across seven universities. *International Journal of Sustainability in Higher Education*. 9: 295 – 316.

Refereed Chapters

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Mills, S. (2017.) Wind Energy and Rural Community Sustainability. *Handbook of Sustainability and Social Science Research*. Edited by Leal Filho, W., Callewaert, J. & Marans, R. Zug, Switzerland: Springer.

Other reports & scholarly blogs

- Mills, S. and Krol, M. (2024). *What Local Governments Should Know about Michigan's New Renewable Energy Siting Policies*.
- Mills, S. and Light, A. (April/May 2022). *Renewable Energy on the Horizon*. Township Focus.
- Beyea, W. et al (2021). *Planning and Zoning for Solar Energy Systems: A Guide for Michigan Local Governments*.
- Light, A., Smith, H., and **Mills, S.** (2020). Renewable Energy in Michigan. *Planning and Zoning News*, 38(5).
- Mills, S.** (2018). *It's the economics: Red states embracing wind energy don't do it for the climate*, The Conversation
- Mills, S.** (2018). *Blowing in the Wind: The Answer to Farmland Preservation*, Michigan Planner, 22(3): 8-9
- Mills, S.** (2018) *Wind Energy in Michigan: Step Back and Plan*. Michigan Planner, 22(3): 1-5
- Mills, S.** (2018) *Strengthening Energy Policy in the Great Lakes Region Workshop Summary*. American Academy of Arts and Sciences.
- Rabe, B., **Mills, S.**, & Borick, C. (20 June 2017). *Americans want states to pick up federal climate policy slack*. Brookings FixGov Blog
- Borick, C., Rabe, B., and **Mills, S.** (12 June 2017). *Trump's global warming views remain elusive, but not those of Americans*. Brookings FixGov Blog
- Rabe, B., **Mills, S.**, & Borick, C. (30 Jan 2017). *Americans prefer renewable energy requirements over a carbon tax*. New Security Beat
- Borick, C., **Mills, S.**, and Rabe, B. (15 Dec 2016). *American views on climate change at the dawn of the Trump presidency*. Brookings FixGov Blog
- Lachapelle, E., Shannon Dinan, Christopher Borick, Barry Rabe, and **Sarah Mills.** (2015). *Mind the Gap: Climate Change Opinions in Canada and the United States*. The Wilson Center
- Mills, S.**, Barry Rabe, and Christopher Borick. (2 Nov 2015). *The Francis effect on the Greenhouse Effect*. Brookings FixGov Blog
- Borick, C., **Sarah Mills**, and Barry Rabe. (20 Oct 2015). *Doubt about the existence of warming drops among Americans but other forms of skepticism persist*. Brookings FixGov Blog

CLOSUP Reports

Published by the Center for Local, State, and Urban Policy (CLOSUP). Available online: www.closup.umich.edu

- Fitzpatrick, N. **Sarah Mills**, Tom Ivacko, and Debra Horner. (2020). *Energy issues and policies in Michigan local governments*.
- Fitzpatrick, N. Debra Horner, and **Sarah Mills.** (2020). *Intergovernmental collaboration on sustainability and energy issues among Michigan local governments*.
- Borick, C., Natalie Fitzpatrick, **Sarah Mills**, Erick Lachapelle, and Barry Rabe. (2019). *Belief (and Disbelief) in Global Warming: 10 Years of Attitudes about Climate Change in the NSEE*
- Fitzpatrick, N. **Sarah Mills**, and Chris Borick. (2018). *Adaptation, Mitigation, and Geoengineering: 10 Years of Climate Action in the NSEE*.
- Mills, S.**, Natalie Fitzpatrick, and Chris Borick. (2018). *Solar, Wind, and State Mandates: 10 Years of Renewable Energy in the NSEE*.

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- Mills, S.**, Natalie Fitzpatrick, Barry Rabe, Chris Borick, and Erick Lachapelle. (2018). *Fuel Economy, Electric Vehicle Rebates, and Gas Taxes: 10 Years of Transportation Policies in the NSEE.*
- Borick, C., Barry Rabe, Natalie Fitzpatrick, and **Sarah Mills.** (2018). *As Americans Experienced the Warmest May on Record Their Acceptance of Global Warming Reaches a New High*
- Fitzpatrick, N., Barry Rabe, **Sarah Mills,** Chris Borick, and Erick Lachapelle. (2018). *American Opinions on Carbon Taxes and Cap-and-Trade: 10 Years of Carbon Pricing in the NSEE.*
- Horner, D, Tom Ivacko, and **Sarah Mills.** (2018). *Approaches to land use planning and zoning among Michigan’s local governments.*
- Mills, S.**, Natalie Fitzpatrick, Barry Rabe, Chris Borick, and Erick Lachapelle. (2018). *Should State and Local Governments Address Climate Change? 10 Years of Climate Federalism in the NSEE.*
- Mills, S.**, Natalie Fitzpatrick, Chris Borick, Barry Rabe, and Erick Lachapelle. (2018). *Coal, Natural Gas, and Pipelines: 10 Years of Fossil Fuels in the NSEE.*
- Mills, S.** (2017). *Views of Wind Development from Michigan’s Windfarm Communities.*
- Simon, N., and **Sarah Mills.** (2017). *A Majority of Americans Support Net Energy Metering.*
- Mills, S.**, Barry Rabe, and Christopher Borick. (2017). *Strong Public Support for State-level Policies to Address Climate Change.*
- Puskin, D. and **Sarah Mills.** (2017). *Moving the needle on American support for a carbon tax.*
- Horner, D, Tom Ivacko, and **Sarah Mills.** (2016). *Local government leaders’ views on drinking water and water supply infrastructure in Michigan communities.*
- Horner, D, Tom Ivacko, and **Sarah Mills.** (2016). *Michigan local leaders say property tax appeals are common, disagree with “dark stores” assessing.*
- Mills, S.**, and Tom Ivacko. (2016). *Local officials say Michigan’s system of funding local government is broken, and seek State action to fix it.*
- Mills, S.**, Christopher Borick, and Barry Rabe. (2016). *Fewer Americans Doubt Global Warming is Occurring.*
- Mills, S.**, and Tom Ivacko. (2016). *Emergency Medical Services in Michigan: Challenge and approaches among local governments.*
- Mills, S.**, and Tom Ivacko. (2016). *Local leaders say police-community relations are good throughout Michigan, but those in large cities are concerned about potential unrest over police use-of-force.*
- Mills, S.**, Barry Rabe, and Christopher Borick. (2015). *American Attitudes about the Clean Power Plan and Policies for Compliance.*
- Mills, S.**, Barry Rabe, and Christopher Borick. (2015). *Acceptance of Global Warming Rising for Americans of all Religious Beliefs.*
- Borick, C., Barry Rabe, and **Sarah Mills.** (2015). *Acceptance of Global Warming Among Americans Reaches Highest Level Since 2008.*
- Mills, S.**, and Thomas Ivacko. (2015). *Fiscal health rated relatively good for most jurisdictions, but improvement slows and decline continues for many.*
- Borick, C., **Sarah Mills,** and Barry Rabe. (2015). *Belief in global warming among Americans gradually increases following the winter of 2015.*
- Horner, D., **Sarah Mills,** and Thomas Ivacko. (2015). *Michigan local government leaders’ views on private roads.*
- Mills, S.**, Barry Rabe, and Christopher Borick. (2015). *Cap-and-trade support linked to revenue use.*
- Mills, S.**, Barry Rabe, and Christopher Borick. (2015). *Widespread public support for renewable energy mandates despite proposed rollbacks.*

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- Ivacko, T., and **Sarah Mills**. (2015). *Local leaders say Michigan road funding needs major increase, but lack consensus on options that would raise the most revenue*.
- Rabe, B, Christopher Borick, and **Sarah Mills**. (2015). *Acceptance of global warming among Americans moderately increases in late 2014*.
- Rabe, B, **Sarah Mills**, and Chris Borick. (2015). *Public support for regulation of power plan emission under the Clean Power Plan*.
- Mills, S.** (2015). *Farming the Wind: The Impact of Wind Energy on Farming*.
- Ivacko, T., and **Sarah Mills**. (2014). *Beyond the coast, a tenuous relationship between Michigan local governments and the Great Lakes*.
- Mills, S.**, Debra Horner, and Tom Ivacko. (2014). *Wind energy as a community issue in Michigan*.
- Mills, S.**, with Christopher Borick, Christopher Gore, and Barry Rabe. (2014). *Wind energy development in the Great Lakes Region: Current issues and public opinion*.
- Maack, E. and **Sarah Mills**, with Christopher Borick, Christopher Gore, and Barry Rabe. (2014). *Environmental policy in the Great Lakes Region: Current issues and public opinion*.
- Brown, C., with Christopher Borick, Christopher Gore, **Sarah Mills**, and Barry Rabe. (2014). *Shale gas and hydraulic fracturing in the Great Lakes Region: Current issues and public opinion*.

Oral Presentations

- “Siting Renewable Energy: The Ins and Outs of Options for Local Governments,” March 13, 2024, MML CapCon
- “Planning perspectives on PA 233,” March 7, 2024, Michigan Public Service Commission
- “Introducing the Center for EmPowering Communities,” February 1, 2024, Ann Arbor Solar Stories
- “Solar and Farmland Preservation,” December 19, 2023, Ingham County Farmland Preservation Committee
- “Understanding Neighbor Preferences, Community Engagement, and (Midwest) Rural Solar Ordinances,” November 12, 2023, Renewable Energy and Wildlife Institute Conference
- “Siting Renewables to Meet Climate Goals: Why all eyes are on Michigan Zoning,” November 1, 2023, LunchUP+T
- “What an Energy Transition Means for Rural America,” October 6, 2023, State Legislative Leadership Foundation Fall Workshop
- “Status Quo: Renewable Energy Ordinances and What’s Next,” October 11, 2023, Lithium Triology
- “What you need to know about Renewable Energy.” October 3, 2023, Michigan Townships Association Planning and Zoning Retreat
- “Economic Impacts of Solar on Rural Communities,” September 28, 2023, Penn State University
- “How do Renewable Energy Projects and Siting Processes Impact Communities?” August 30, 2023, DOE Workshop
- “What Determines Community Attitudes Toward Proposed Projects?” August 29, 2023, DOE Workshop
- “An Extended Case: State & Local Renewable Energy Policy,” July 11, 2023, UM EC3 Retreat
- “Planning (and zoning) for Renewables,” June 29, 2023, Clinton County Adivosry Committee
- "Nuts & Bolts Webinar Series", March 30th-May 11th, 2023, Northeast Michigan Conference of Governments
- "Here Comes the Sun: "Planning and Zoning for Solar Energy Systems", May 25th, 2023, St. Clair County Metropolitan Planning Commission Spring Workshop

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- "Siting Renewable Energy in Rural Communities", April 25th, 2023, North Central Regional Center for Rural Development Webinar
- "Siting Renewables to Meet Climate Goals", April 12th, 2023, MI Healthy Climate Conference
- "Just Opposition? Renewables Siting with Justice in Mind", March 29th, 2023, American Clean Power Association Siting Conference
- "Observations on Community Acceptance (and Potential Ways to Increase It)", March 23rd, 2023, TNC Retreat
- "North American Research & Observations", March 16th, 2023, International Energy Agency Siting Workshop
- "Townships, Prepare: Renewables are on the Way", March 1st, 2023, Michigan Township Association Capital Conference
- "Introduction to Planning & Zoning for Wind & Solar", February 23rd, 2023, Ingham County Chapter of Michigan Association of Planning
- "Advanced Planning & Zoning for Wind & Solar", February 2nd and 9th, 2023, Northeast Michigan Conference of Governments
- "Battery Storage", January 23rd, 2023, Salem Township Planning Commission
- "Introduction to Planning & Zoning for Wind & Solar", January 11th, 2023, Northeast Michigan Conference of Governments
- "Wind & Solar Master Planning", December 12th, 2022, Sanilac County webinar
- "Solar Development and Farmland Preservation", November 22nd, 2022, Marion Township (Livingston County) Planning Commission
- "Putting Communities in the Driver's Seat: The Impact of Proactive Planning in Wind Energy Development", November 17th, 2022, APPAM Annual Conference
- "Community Perspectives on Wind Energy Build-Out", November 15th, 2022, Wind and Wildlife Research Meeting
- "Lessons Learned about State/Local Policy and Opposition to Renewable Energy Projects", November 8th, 2022, RMI Lunchtime Talks
- "The Heat is on: Are you Ready for Solar Energy", October 11th, 2022, Michigan Association of Planning Annual Conference
- "Nuts & Bolts Webinar Series", July 12th - August 18th, 2022, Renewable Energy Academy webinar
- "Planning and Zoning for Solar Energy Systems", June 18th, 2022, Manchester Township (Washtenaw County) Board
- "Renewable Energy Planning for Professionals and Municipal Attorneys, June 7th, 2022, Michigan Association of Planning webinar
- "Planning for Renewable Energy", May 17th, 2022, Rural Partners of Michigan Conference
- "Federal Funding for Sustainable Infrastructure", May 17th, 2022, Rural Partners of Michigan Conference
- "Planning for Solar Energy Part 2", March 24th, 2022, Milan Township (Monroe County) Planning Commission
- "Code Changes to Encourage EV Adoption", March 3rd, 2022, Scio Township (Washtenaw County) Environmental Sustainability Task Force
- "Solar Energy : New threat or opportunity for farmland preservation", December 14th, 2021, Purdue Farm Policy Study Group
- "Planning for Renewables", October 29th, 2021, Michigan Association of Planning webinar
- "Planning for Wind & Solar Energy", September 21st, 2021, Salem Township (Washtenaw County) Planning Commission
- "Land Use Impacts of Solar", September 12th, 2021, Washtenaw Climate Reality Project webinar

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- "Here Comes the Sun (Power): Proactively Engaging your Community in Planning for Solar Energy", September 9th, 2021, Indiana Land Use Summit
- "Energy Savings Performance Contracts", May 13th, 2021, Clean Energy and Energy Management Webinar Series
- "Planning and Zoning for Utility-scale Solar", April 27th, 2021, Clean Energy and Energy Management Webinar Series
- "Who is Zoning Out Renewable Energy? And is it a Problem?", April 20th, 2021, North American Colloquium
- "Planning and Zoning for Utility-scale Wind", April 13th, 2021, Clean Energy and Energy Management Webinar Series
- "Impacts of Wind Energy", March 30th, 2021, Pine Township (Montcalm County)webinar
- "Introduction to Planning & Zoning", March 30th, 2021, Clean Energy and Energy Management Webinar Series
- "Solar, Property Values, and Taxation", March 11th, 2021, International Rights of Way Association webinar
- "Facilitating Community-wide PACE", March 2nd, 2021, Clean Energy and Energy Management Webinar Series
- "Conducting Energy Audits on Municipal Facilities", February 17th, 2021, Clean Energy and Energy Management Webinar Series
- "Basics of Solar at Different Scales", February 17th, 2021, Northern Michigan Small Farm Conference webinar
- "Community Perspectives on Clean Energy", January 27th, 2021, MI Power Grid webinar
- "Using EZMT to Plan for Clean Energy", January 21st, 2021, Clean Energy and Energy Management Webinar Series
- "Pros & Cons of Utility-scale Renewables", January 13th, 2020, Montcalm Energy Alliance webinar
- "Utility-scale Solar", November 9th, 2020, UP Clean Energy Conference webinar
- "Energy Benchmarking for Municipal Facilities", October 22nd, 2020, Clean Energy and Energy Management Webinar Series
- "The Michigan Energy Code Adoption Process", October 15th, 2020, Clean Energy and Energy Management Webinar Series
- "Overview of MILES Energy Survey and Renewable Energy Options in the UP", October 7th, 2020, UP Energy Task Force
- "Zoning for Utility-scale Solar on Agricultural Land", September 17th, 2020, Michigan Township Association webinar
- "Attitudes towards Renewables"September 15th, 2020Michigan Municipal Energy Association (MMEA) Conference
- "Introduction to Wind & Solar Taxation", September 9th, 2020, Michigan Township Association webinar
- "Solar Energy and Land Use – Designing a Sustainable Outcome"August 12th, 2020, Penn State Energy and Environment webinar
- "Solar Pros & Cons", July 13th, 2020, London Township (Monroe) Board meeting
- "Communities and IOUs", June 11th, 2020, MI Power Grid: Energy Programs and Technology Pilots
- "Impacts of Solar Energy on Farmland", June 2nd, 2020, Milan Township Planning Commission
- "Michigan Renewable Energy Policy Landscape", April 15th, 2020, MICARES Team webinar
- "Local Impacts of Solar Energy", March 4th, 2020, Blissfield Township Planning Commission
- "Social Acceptance of Wind and Solar", March 3rd, 2020, DNR Sprint Team

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- "Local Impacts of Solar Energy", March 2nd, 2020, Riga Township Board and Planning Commission
- "State Policies to Drive Rural Energy Efficiency", February 25th, 2020, ACEEE Rural Energy Conference
- "How to do Energy Projects with Rural Units of Government", December 7th, 2019, Great Lakes Renewable Energy Annual Meeting
- "Community Attitudes toward Wind Power", November 6th, 2019, International Rights of Way Association, MI Chapter
- "Planning for Renewables", October 30th, 2019, Livingston County Jurisdictions
- "Solar on Brownfields", October 14th, 2019, Michigan Association for Land Banks
- "Haven't Planned for Renewable Energy? Beware", September 26th, 2019, Michigan Association of Planning Conference
- "What you always wanted to know about Wind and Solar Farms", May 20th, 2019, Bay City Garden Club
- "Planning for Renewable Energy in Michigan Communities," April 17, 2019, Small Town & Rural Development Conference
- "Predicting who will oppose a project & how attitudes change one a project is built," March 28, 2019, American Wind Energy Association Siting Conference
- "When Land Use & Renewable Energy Goals Collide," February 22, 2019, Michigan University-wide Sustainability & Environment Conference
- "Community Acceptance of Renewable Energy in Michigan," December 20, 2018, Interagency Working Group on Siting Renewables on Public Lands
- "Americans' Changing Views of Renewable Energy Policies," December 4, 2018, Clean Energy States Alliance webinar
- "Why Community Benefits for Renewable Energy," October 16, 2018, Groundwork Center for Resilient Communities
- "Is Wind Energy Right for Your Township?" October 10, 2018, Sherwood Township Planning Commission
- "Predicting Opposition to Windfarms Using Census Data," September 6, 2018, Energy Policy Research Conference
- "The Impact of Wind Energy on Rural Communities," August 27, 2018, North Central Climate Collaborative webinar
- "Lessons Learned from Michigan's Windfarms," August 9, 2018, Antrim County Board of Commissioners Meeting
- "The Rationality of Wind Energy Taxation," June 19, 2018, International Symposium on Society and Resource Management Annual Conference
- "Predicting Opposition to Windfarms Using Census Data," June 23, 2018, Association of Environmental Studies and Sciences Annual Conference
- "Compensation Models in Michigan," March 21, 2018, American Wind Energy Association Siting Conference
- "Tackling Big Questions in Energy," February 15, 2018, Michigan University-wide Sustainability & Environment Conference
- "The Wind Siting Paradox: Climate Skepticism in America's Windiest Places," February 14, 2018, Michigan University-wide Sustainability & Environment Conference
- "Research on Wind Energy in Michigan," January 18, 2018, Michigan State University Extension Climate Outreach Team webinar
- "Is Wind Energy Right for your County?" December 4, 2017, Northern Michigan Counties Association

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- “Lessons Learned from Michigan’s Windfarms,” November 30, 2017, Michigan Agency for Energy & Michigan Public Service Commission Staff Brownbag
- “Pros and Cons of Windfarms,” November 21, 2017, Midland County Board of Commissioners
- “The Not-so-lucky \$2 Bill: An Experiment that Challenges Standard Protocol,” November 17, 2017, Midwest Association of Public Opinion Research (MAPOR) Annual Conference
- “Rural Michigan Views of Renewable Energy,” November 14, 2017, Keewenaw Climate Community
- “Pros and Cons of Windfarms,” October 9, 2017, Pine Township (Montcalm County) Board Meeting
- “Lessons Learned from Michigan’s Windfarms,” October 5, 2017, Michigan Municipal Electric Association Annual Meeting
- “Pros and Cons of Windfarms,” October 3, 2017, Kenockee Township (St. Clair County) Planning Commission Meeting
- “Lessons from Michigan’s Windfarms,” September 27, 2017, Michigan Association of Planning Annual Conference
- “What Windfarms Mean for Local Communities,” September 25, 2017, Michigan Association of Counties Annual Conference
- “Is Wind Energy Right for your Township?” September 20, 2017, Greenwood Township (St. Clair County) Planning Commission Meeting
- “Is Wind Energy Right for your Township?” September 13, 2017, Watertown Township (Tuscola County) Board Meeting
- “Is Wind Energy Right for your Township?” August 24, 2017, Mount Forest Township (Bay County) Special Township Meeting
- “Local Impacts of Michigan’s Windfarms,” August 24, 2017, DTE Energy staff
- “Research from Michigan’s Windfarms,” August 23, 2017, Shiawassee County Planning Commission Meeting
- “Pros and Cons of Wind Turbines: Experiences from Michigan,” August 14, 2017, Gibson Township (Bay County) Board Meeting
- “Pros and Cons of Wind Turbines,” August 9, 2017, Gilmore Township (Isabella County) Board Meeting
- “Perceived Impacts of Michigan’s Windfarms (and thoughts on solar, too),” August 3, 2017, Goodland Township (Lapeer County) Planning Commission Meeting
- “Local Impacts of Michigan’s Windfarms,” May 18, 2017, Wind Energy Stakeholders Committee
- “Perceived Impacts of Michigan’s Windfarms,” May 2, 2017, Michigan Townships Association Shiawassee County Meeting
- “Local Impacts of Michigan’s Windfarms,” May 2, 2017, Right-of-Way Association Annual Meeting
- “The Impact of Royalty Arrangements on Community Acceptance of Wind Energy,” July 26, 2017, Energy Impacts Symposium
- “Enough is enough, or not? The effect of wind turbine density and proximity on attitudes toward wind energy” June 22, 2017, Association for Environmental Studies and Sciences Annual Conference
- “Is Wind Energy Right for your Township?” April 11, 2017, Michigan Townships Association Annual Conference
- “Survey Research and Great Lakes Water Policy,” February 17, 2017, UM-Dearborn Environmental Issues Seminar Guest Lecture
- “Community Acceptance of Wind Energy,” February 10, 2017, Michigan University-wide Sustainability & Environment Conference

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- “Using National Surveys on Energy and Environment Data in your Classroom,” February 1, 2017, Abrams Sustainability Fellows Workshop
- “Local government views on drinking water infrastructure,” January 31, 2017, Water@Michigan 2017 Conference
- “Climate Compared: Climate Change Opinions in the United States and Canada,” December 15, 2016, Woodrow Wilson Center Canada Institute
- “No more mixed-mode? Recontacting government officials in a post-fax age,” November 19, 2016, Midwest Association of Political Opinion Research Annual Meeting
- “Environmental Policy in Michigan,” November 16, 2016, Michigan Politics and Policy Guest Lecture
- “Using Michigan Public Policy Survey Data in your Classroom,” October 20, 2016, Michigan Political Science Association Annual Conference
- “The Fire Service: A Local Perspective,” October 19, 2016, Michigan Association of Fire Chiefs Annual Conference
- “Funding local government in Michigan: a broken system?,” 16 September 2016, Michigan Association of Counties Annual Conference
- “The social, ethical, and political questions surrounding renewable energy,” 10 May 2016, Abrams Sustainability Seminar
- “Perceptions of Great Lakes Issues,” 5 April 2016, NRE 501 Guest Lecture
- “Michigan Local Governments in Persistent Fiscal Decline,” 30 October 2015, Michigan Political Science Association
- “Regulate Fracking at what Scale? Comparison of public and elite opinions on environmental federalism,” 27 August 2015, European Consortium for Political Research (ECPR) General Conference
- “Local government fiscal health: Self-assessments vs. external evaluations,” 22 July 2015, Michigan Local Government Managers Association (MLGMA) Summer Workshop
- “Survey Research on the Great Lakes,” 22 May 2015, Great Lakes Commission
- “Survey Research on the Great Lakes (and fracking, too),” Graham Sustainability Institute Water Center
- “Wind Energy Development as Farmland Preservation: An Exploratory Analysis,” 31 Oct 2014, Association of Collegiate Schools of Planning Annual Conference
- “Who should regulate? A comparison of Michigan local leaders and Michigan citizens,” 24 Oct 2014, Michigan Political Science Conference
- “Public Opinion on Great Lakes Environmental and Energy Policy: A Canada-US Comparison,” 17 April 2014, Wilson Center Canada Institute: Washington, DC
- “Rural Planning in a New Century,” 1 Nov 2012, Association of Collegiate Schools of Planning Annual Conference
- Planning, Laws, and Twenty-Ones: Who's Coming for Tea?*, presentation co-author with Richard Norton, 17 Oct 2012, Planning Michigan 2012
- “Sustainable Energy: Basic Science and Government Policy”, 3 Mar 2009, Biophysical Society Annual Meeting

Other Scholarly Activities

- Co-Convenor: “The Science of Siting Clean Energy: Bridging Planning, Policy, and Practice.” 2024. January.
- Written Testimony: Michigan Senate. Committee on Energy and Environment. 2023. November 11.
- Op-Ed: “Michigan’s system to approve green energy projects is broken.” Bridge Michigan. 2023. September 23.

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- Panelist: *Renewable Energy Siting*, Michigan Energy Innovation Business Council Annual Member Meeting, 26 April 2023, Lansing, MI
- Panelist: *Panel on compensation for the siting of generation and other single-site facilities: Public revenue through taxes and leasing*, National Academies' Committee on Accelerating Decarbonization in the United States: Technology, Policy, and Societal Dimensions, October 3, 2022
- Convener: *Visioning Extension in Rural Renewable Energy Development*, October 7-8, 2022, Ann Arbor, MI
- Panelist: *Public Acceptance*, Solar Power and Wildlife/Natural Resources Symposium, 2 December 2021, virtual event
- Panelist: *Opposition is not unique to nuclear energy: learning from other industries*, National Academies of Science, Understanding the Societal Challenges Facing Nuclear Power workshop, 2 September 2021, virtual event
- Convener/Organizer: *Solar and Property Taxation in Michigan*, June 3, 2020, online
- Organizer: *Convening Michigan's Leading Communities*, February 6, 2020, Ann Arbor, MI
- Panelist: *Local Renewables: Building Support & Overcoming Challenges*, Michigan Climate Action Summit, 21 February, 2019, Grand Rapids, MI
- Panel moderator: *Renewable Energy Siting Challenges and Opportunities*, Michigan Energy Innovation Business Council Annual Member Meeting, 30 April 2018, Lansing, MI
- Workshop Organizer: *Using National Surveys on Energy and Environment (NSEE) Data in your Classroom*, Association for Environmental Studies and Sciences Annual Conference, 8 June 2016, Washington, DC.
- Panel organizer: *Energy Revolution: Identifying the Gaps in R&D and Beyond*, Hitachi Climate Change Forum, 5 Mar 2009, Washington, DC.
- Session co-organizer: *New Partnerships for Science in the Cradle of Humanity*, AAAS Annual Meeting, 13 Feb 2009, Chicago, IL.
- Session organizer: *Forum for Sustainability Science Programs*, AAAS Annual Meeting, 12 Feb 2009, Chicago, IL.
- Workshop co-organizer: *Creating Living Laboratories for Sustainability Workshop*, AASHE Annual Conference, 9 Nov 2008, Raleigh, NC. Organized with Daniel Roth (Cornell University)
- Session organizer: *Science and Technology for Sustainable Development: The African Context*, AAAS Annual Meeting, 17 Feb 2008, Boston, MA.
- Session organizer: *Forum for Sustainability Science Programs*, AAAS Annual Meeting, 16 Feb 2008, Boston, MA.
- Session coordinator: *Grand Challenges of Sustainability Science*, AAAS Annual Meeting, 17 Feb 2007, San Francisco, CA.
- Session coordinator: *Forum for Sustainability Science Programs*, AAAS Annual Meeting, 17 Feb 2007, San Francisco, CA

Media Appearances & Mentions

- Merchant, E. 2024. "Community Opposition and Grid Challenges Slow the Pace of Renewable Efforts, National Survey of Developers Shows." Inside Climate News. February 23.
- Epperson, E. 2024. "A Tupperware party for solar panels": Ann Arbor bulk-buy program makes solar more affordable." Concentrate. February 14.
- Weise, E. 2024. "Across America, clean energy plants are being banned faster than they're being built." USA Today. February 6.
- Harder, A. 2023. "Clean energy projects spur disputes. New MIT course trains mediators." Associated Press. November 3.

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- McWhirter, S. 2023 "Who should decide where in Michigan to build large wind farms and solar fields?". MLive. October 30
- Larson, L. 2023. "Is Race a Major Factor Behind Opposition to Wind Farms?" Inside Climate News. October 5.
- Rampell, C. 2023. "Battles over wind farms divide rural communities." PBS NewsHour. July 14.
- Barrilleaux, Amy. 2023. "Confronting a Clean Energy Backlash." State of Change. May 17th.
- Hiller, Jennifer. 2023. "'Over Our Dead Bodies': Backlash Builds Against \$3 Trillion Clean-Energy Push." The Wall Street Journal. May 8th.
- Simon, Julia. 2023. "Misinformation is derailing renewable energy projects across the United States." NPR. March 22nd.
- Hohn, Joshua. 2023. "Plan Now to Overcome Reflexive Opposition to Large-Scale Solar." American Planning Association. March 6th.
- Campa, Aydali & Gearino, Dan. 2023. "Illinois Put a Stop to Local Governments' Ability to Kill Solar and Wind Projects. Will Other Midwestern States Follow?" Inside Climate News. February 27th.
- LaBelle, Michael. 2023. "Harvesting the Wind: Planting renewable energy in the Midwest." My Energy 2050. February 26th.
- Henderson, Tim. 2023. "How wind farms are supercharging the economies of rural America." Fast Company. January 23rd.
- French, Ron. 2023. "With growing backlash to wind energy, Michigan turns to solar power." Bridge Michigan. January 16th.
- Tomich, Jeffrey. 2023. "Illinois makes divisive move to fight local renewable bans." Energywire. January 12th.
- Gelles, David. 2022. "The U.S. Will Need Thousands of Wind Farms. Will Small Towns Go Along?" The New York Times. December 30th.
- Gearino, Dan. 2022. "Solar Opposites Part 6: In the End, Solar Power Opponents Prevail in Williamsport, Ohio." Inside Climate News. December 22nd.
- Raimi, Daniel. 2022. "Who Wants Wind and Solar in their Communities?" Resources Radio. December 13th.
- Sanilac County News. 2022. "Solar, wind training offered to local officials." December 7th.
- Williams, Amanda. 2022. "The problem with solar energy isn't investment. It's location." The 1A. September 29th.
- Nelder, Chris. 2022. "Community Support and Opposition." The Energy Transition Show. June 22nd.
- Tomich, Jeffrey. 2022. "Independent Experiment Highlights Wind Siting Challenges." Energywire. May 18th.
- Bacho, Blake. 2022. "Solar energy system guidebook discussed at seminar." The Monroe News. March 22nd.
- Lesser, Jonathan 2022. "Wind and Solar Proponents' Arithmetic Problem." National Review. March 16th.
- Pontecorvo, Emily. 2022. "We need to build a lot of wind turbines. Will Americans agree to live near them?" Grist. January 22nd.
- Mohr, Kylie. 2021. "Wind turbines proposed near a Japanese American incarceration camp prompt outrage." High Country News. December 1st.
- Balaskovitz, Andy. 2021. "Residents divided over wind energy plan for 'pristine Upper Peninsula wilderness.'" Energy News Network. November 2nd.
- Waldon, Elisabeth. 2021. "FOIA requests reveal wind ordinance input among township officials, wind developer, residents and outside influencers." Daily News: Montcalm and Ionia Counties. September 30th.

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- Pawlich, Lissa & Ebinger, Fritz. 2021. "The future of renewable energy siting in Minnesota." Clean Energy Resource Teams. June 1st.
- Penny, Veronica. 2021. "Where Wind and Solar Power Need to Grow for America to Meet Its Goals." The New York Times. May 28th.
- Waldon, Elisabeth. 2021. "U of M wind energy researcher recommends Pine Township consider what community wants." Daily News: Montcalm and Ionia Counties. April 1st.
- Madigan, Kate. 2020. "Local Governments and Renewable Energy Siting." Speaking of Resilience. August 12th.
- Smith, Jeff. 2020. "Successfully Siting Renewable Energy in Michigan: A Conversation with Sarah Mills." Groundwork: Center for Resilient Communities. August 12th.
- Tomich, Jeffrey. 2020. "End of Iowa's wind boom? Renewable rules spark fears." Energywire. July 8th.
- Tomich, Jeffrey. 2020. "Zoom bombings, cancellations: Energy hearings in chaos." Energywire. April 20th.
- Balaskovitz, Andy. 2020. "With wave of solar on the horizon, most Michigan communities lack policies." Energy News Network. March 6th.
- Weise, Elizabeth. 2020. "Wind energy gives American farmers a new crop to sell in tough times." USA Today. February 16th.
- WHMI Radio. 2019. "Researcher Talks Renewable Energy Potential In Handy Twp." December 2rd.
- Balaskovitz, Andy. 2019. "Michigan utility's first brownfield solar project highlights promise, challenges." Energy News Network. November 4th.
- Jervis, Rick & Weise, Elizabeth. 2019. "As climate threat looms, Texas Republicans have a solution: giant wind farms everywhere." USA Today. October 18th.
- Carmody, Steve. 2019. "UM study: How communities handle wind energy can increase negative views." Michigan Radio. February 10th.
- Storrow, Benjamin. 2018. "Midwest utility quits coal for climate and cash." E&E News. October 26th.
- Mills, Sarah. 2018. "It's the economics: Red states embracing wind energy don't do it for the climate" The Conversation. October 22nd.
- Borick, Christopher; Mills, Sarah & Rabe, Barry. 2017. "Americans want states to pick up federal climate policy slack." Brookings. June 20th.
- Cusick, Daniel. 2017. "Big majority of Americans want states to act on climate — poll." E&E News. June 12th.
- Balaskovitz, Andy. 2017. "Property values surge in Michigan counties with wind energy – but why?" Energy News Network. April 5th.
- Alvarez, Greg. 2016. "The concrete benefits of wind power for farmers." The Power Line. November 15th.
- Hulac, Benjamin. 2015. "Survey finds extreme weather sways belief in climate change." E&E News. July 9th.
- Raimi, Daniel. 2015. "Community Perceptions of Wind Energy." Resources Radio. March 5th.

Students Supervised

- Fall 2021 – Present. Mirit Friedman. Doctoral advisee and research assistant
- Fall 2021 – Present. Karl Hoesch. Doctoral advisee and research assistant
- Winter 2023 – Present. Papa Yaw Owusu-Obeng. Doctoral advisee
- Fall 2021-Present. Hayley Sakwa, Graduate research assistant
- Winter 2022 – Present. Yuer Wang, Master's thesis advisee.

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Winter 2022 - Winter 2023. SEAS Master's Project, "Visual & Economic Impacts of Tall Wind Turbines." Zach Brooks. Lucas Eshuis. Zoe Fernando-Santana. Jalyn Prout. Saif Ur Rehman.

Winter 2022 - Winter 2023. SEAS Master's Project, "County-level impacts of an Energy Transition on Public Revenues" Elena Davert, Haley Neuenfeldt, Amy Van Zanen.

Winter 2022 - Winter 2023. SEAS Master's Project, "Michigan Renewable Energy Development Initiative (MI REDI)." Sarah Dieck, Sophie Farr, Ian O'Leary, Zona Martin, Kaitlyn Sledge, Yingxin Wang.

Winter 2023 – Summer 2023. Tommy Banks, Undergraduate research assistant.

Summer 2022-Spring 2023. Zoe Knaus, Undergraduate research assistant.

Summer 2023. Elena Davert, Graduate research assistant.

Summer 2022. Saif Ur Rehman, Graduate research assistant.

Summer 2022. Zona Martin, Graduate research assistant.

Summer 2022. Sarah Dieck, Graduate research assistant.

Summer 2022-Fall 2022. Ian O'Leary, Graduate research assistant.

Fall 2022-Spring 2023. Sarah Eldridge, Graduate research assistant.

Fall 2022-Spring 2023. Yingxin Wang, Graduate research assistant.

Fall 2022-Spring 2023. Kaitlyn Sledge, Graduate research assistant.

Fall 2022-Spring 2023. Sophie Farr, Graduate research assistant.

Winter 2022-Fall 2022. Moksha Menghaey, Graduate research assistant.

Winter 2021-Summer 2021. Eli Gold, Graduate research assistant. Co-author

Fall 2020-Winter 2022. Matilda Kreider, Graduate research assistant. Co-author

Fall 2020-Winter 2022. Aaron Cohen, Graduate research assistant

Fall 2022-Winter 2023. Rikki Goldman. Undergraduate research assistant.

Fall 2022-Winter 2023. Josephine Weissburg. Undergraduate research assistant.

Summer 2020-Winter 2023. Emma Uebelhor. Undergraduate research assistant. Co-author.

Summer 2021-Winter 2021. Samantha King. Undergraduate research assistant. Co-author.

Winter-Fall 2021. Dow Masters Project. "Connecting Water and Energy in Michigan."

Fall 2019-Winter 2021. Hannah Smith, Master's research assistant, Co-author.

Summer 2019-Winter 2021. Leah Adelman. UM Energy Institute UROP student and undergraduate research assistant

Summer 2020-Winter 2021. Olivia Hintz. Undergraduate research assistant. Co-author.

Winter 2020-Winter 2021. Senna Catenacci. Undergraduate honors thesis

Winter 2021. Matt Sehrsweeney. Graduate directed study on community solar

Winter 2021. Olivia Rath. Graduate directed study on EV policy

Winter 2021. Elena Essa. Master's capstone. Philippines Energy Landscape

Summer 2020. Ben Solberg. Undergraduate MILE internship research.

Summer 2020. Eli Schulman. Undergraduate MILE internship research.

Winter-Fall 2020. Dow Masters Project. "Implementing Community Solar in Chelsea, MI."

Fall 2019/Winter 2020. Abby Randall. Undergraduate honors thesis. "Opportunities for Bipartisanship: Comparing Water and Climate Policy in the Great Lakes Region"

Fall 2019. Karl Hoesch, Samantha VanDyke, Kseniya Husak, Emily Blackmer, Doug Noe. Master's research assistants.

Fall 2020. Julie Rubin, Christian Hunter, Kristina Curtiss, Karley Thurston, Kyron Smith. Master's research assistants.

Winter-Fall 2019. Dow Masters Project. "Accelerating Solar Energy on Michigan Public Lands"

Winter 2019-2020. Jon Newman & Andrew Light. Master's research assistants.

Winter 2019-2020. Zach Pritchard. Doctoral research assistant. Co-author.

Winter-Fall 2019. Mayur Bandekar. Undergraduate honors thesis. "Assessing the Social Dynamics of Wind Energy Sites to Predict Contention among Prospective Wind Projects in

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Michigan.”

Summer 2018-Winter 2019. Ian McKenny. UM Energy Institute UROP student

Summer/Fall 2018. Dow Masters Project “Making the Case for Renewable Energy in Rural Traverse City”

Summer 2018. Augusta Gudeman. Graduate research assistant

Fall 2017. Benjamin Sonnega. Undergraduate MILE internship research.

Fall 2017- Winter 2019. Rio Mizuno. Undergraduate research assistant for Mott. Co-author.

Fall 2017-Winter 2019. Jane Wentrack. UROP student.

Summer/Fall 2017. Hannah Smith. Undergraduate research assistant for Mott. Co-author.

Summer 2017. Nick Simon. UM Energy Institute UROP student

Fall 2016/Winter 2017. Kate Watkins. UROP student.

Winter/Summer 2016. Kirsten Ho. Undergraduate research assistant

Fall 2015/Winter 2016. Sasha Greer & Megan Bowers. UROP students.

Winter 2016. Brett Palmer. Undergraduate directed study comparing state regulations of wind energy vs. hydraulic fracturing

Summer/Fall 2015. Carolyn Rice. Undergraduate directed study on state vs. local regulation of hydraulic fracturing.

Winter 2014. Patrick Sier. Undergraduate research assistant making public use datasets.

Fall 2014. Emma Maack. Master’s directed study on federalism and environmental policy.

Spring 2014. Samuel Facas, Emma Tinsely, and Glenn Sullivan. Dissertation research assistants (undergraduates).

Spring 2013. Rebecca Guerriero. Undergraduate directed study on sustainable transportation.

Spring 2012. Kevin Mulder and Corrine Kisner. Graduate research assistants (Master’s students).

Scholarly Awards & Honors

Distinguished Dissertation Award in Urban Planning (2015)

Program in the Environment Outstanding GSI Award (2014)

Dow Sustainability Doctoral Fellowship (2013-2015)

Robert and Judy Marans/Kan and Lillian Chen Fellowship in Sustainability and Survey Methodology (2012-2013)

Rackham Merit Fellowship (2011-2016)

Rackham Conference Travel Grant (October 2012)

University of Cambridge College of Engineering Recognition of Outstanding Achievement (2005)

National Defense Fellowship Honorable Mention (2004)

Villanova University Commencement Speaker (2004)

Villanova University Young Alumni Award (2004)

Villanova University College of Engineering Dean’s Medal in Mechanical Engineering (2004)

Barry M. Goldwater Scholarship (2003)

Watson-Danaher Scholarship (2003-2004)

National Society of Collegiate Scholars Member (2004)

Tau Beta Pi Engineering Honor Society Member (2003)

Pi Tau Sigma Honor Society Member (2003)

John Peng Scholarship (2001-2003)

Professional Memberships

American Planning Association 2012 - Present

Michigan Association of Planning 2012 – Present

International Association for Society and Natural Resources 2018 – Present

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Advancing Women in Energy	2018 – Present
Rural Sociology Society	2013 – 2018
Association for Environmental Studies and Sciences	2015 – 2018

Professional Service

Board Member, Energy Policy Institute, Energy Policy Research Conference
Member, Water Center Science Council, University of Michigan Graham Sustainability Institute, 2016-2018
Co-Editor-in-Chief, *Michigan Journal of Sustainability*, 2014-2015
Editor, *Michigan Journal of Sustainability*, 2013-2014
Co-Chair, BANKRUPT: Triennial P+ARG Graduate Student Conference, University of Michigan, April 4-5, 2014
Treasurer, Planning and Architecture Research Group (P+ARG), Taubman College of Architecture and Urban Planning, 2012-2013
Member, PhD Program Review Committee, Urban and Regional Planning, 2012
Member, Faculty Search Committee, Taubman College of Architecture and Urban Planning, 2011-2012
Advisory Council Member, Association for the Advancement of Sustainability in Higher Education (AASHE), 2008 – 2009
Co-facilitator, Disciplinary Associations Network for Sustainability (DANS), 2007 – 2009

Reviewer for the following publications:

Canadian Geographer
Energy Research and Social Science
Energy Policy
Environmental Science & Technology
Journal of Planning Education and Research
Land Use Policy
Michigan Journal of Sustainability
Politics and Governance
Society and Natural Resources

Public Service

Commissioner, City of Ann Arbor Planning Commission, 2014-Present
Chair, City of Ann Arbor Planning Commission, 2020-2022
Vice Chair, City of Ann Arbor Planning Commission, 2018-2020
Secretary, City of Ann Arbor Planning Commission, 2016-2018
Member, Ordinance Revisions Committee, City of Ann Arbor Planning Commission, 2014-Present
Member, Citizens Advisory Committee, The Treeline Allen Creek Urban Trail Master Plan, 2016-2017
Board Member, Scenic Michigan, 2018- 2022