

# DEREK C. WIETELMAN

Department of Agricultural and Resource Economics, University of Maryland  
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## EDUCATION

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<b>University of Maryland</b> Ph.D. Student in Agricultural and Resource Economics Anticipated Completion: Spring 2025	College Park, MD 2020 - Present
<b>Indiana University</b> M.P.A. (Master of Public Affairs) Concentrations: Energy; Environmental Policy and Natural Resource Management	Bloomington, IN 2016 - 2018
<b>Oklahoma State University</b> B.S., Statistics; B.A., Political Science Minors: Economics; Environmental Economics, Politics, and Policy	Stillwater, OK 2012 - 2016

## PROFESSIONAL APPOINTMENTS

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<b>Department of Agricultural and Resource Economics, University of Maryland</b> Graduate Research Assistant to Dr. James MacDonald Graduate Research Assistant to Dr. Louis Preonas Graduate Teaching Assistant	College Park, MD 2022 - Present 2022 2020 - 2021
<b>Resources for the Future</b> Research Assistant: Research and Policy Engagement Program Research Intern	Washington, D.C. 2018 - 2020 2017
<b>O'Neill School of Public and Environmental Affairs, Indiana University</b> Graduate Research Assistant: IU Center for Survey Research	Bloomington, IN 2016 - 2018

## RESEARCH

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**Fields:** Environmental and resource economics; Applied econometrics; Empirical industrial organization

### Peer-Reviewed Publications

- Yusuke Kuwayama, Sheila Olmstead, Derek C. Wietelman, & Jiameng Zheng (2020). "Trends in Nutrient Pollution as a Source of Potential Water Quality Damages: A Case Study of Texas, USA." *Science of the Total Environment*, Vol. 724, 137962.
- Arthur G. Fraas, Randall W. Lutter, & Derek C. Wietelman (2019). "The Energy Paradox in Seemingly Competitive Industries: The Use of Energy-Efficient Equipment on Heavy-Duty Tractor Trailers." *Energy Policy*, Vol. 129, 467-480.
- Michelle H.W. Lee, Ashley Clark, John Rupp, Derek C. Wietelman, & John D. Graham (2019). "Public Opinion Toward Hydraulic Fracturing: The Effect of Beyond Compliance and Voluntary Third-Party Certification." *Energy Policy*, Vol. 128, 306-315.
- Derek C. Wietelman & Richard T. Melstrom (2017). "The Effect of Listing the Lesser Prairie Chicken as a Threatened Species on Rural Property Values." *Journal of Environmental Management*, Vol. 191, 155-161.

### Working Papers

- Joshua Blonz, Karen Palmer, Casey J. Wichman, & Derek C. Wietelman. (2021). "Smart Thermostats, Automation, and Time-varying Prices." *RFF Working Paper Series*, No. 21-20.

### Research in Progress

- Identifying a Green Building Premium from Commercial Energy Benchmarking Laws
- Do Nonlinear Prices Work? Distributional and Conservation Consequences of Budget-based Water Rates (with Daniel A. Brent and Casey J. Wichman)

## Other Writings

- Derek C. Wietelman, Karen Palmer, & Casey J. Wichman (2022). “Using Prices, Automation and Data to Shape Electricity Demand and Integrate Renewables into the Grid.” *RFF Report*, No. 22-03.
- Dallas Burtraw, Maya Domeshek, & Derek C. Wietelman (2020). “Managing Investment Revenues and Costs in the Transportation Climate Initiative Region.” *RFF Issue Brief Series*, No. 20-05.
- Casey J. Wichman, Derek C. Wietelman, Daniel A. Brent, & Diego S. Cardoso (2019). “Public Comments on ‘Options for Implementation of a Statewide Low-Income Water Rate Assistance Program.’” Testimony submitted to California State Water Resources Control Board.
- Casey J. Wichman & Derek C. Wietelman (2019). “A Short History of Water Resources Research at Resources for the Future.” *Resources Magazine*, Issue 201.
- Stacey A. Giroux, Kevin W. Tharp, & Derek C. Wietelman (2019). “Impacts of Implementing an Auto-Advance Feature in Mobile and Web Surveys.” *Survey Practice*, Vol. 12, Issue 1.

## Conference Presentations, Invited Talks and Other Seminars

- 2022 Western Economic Association Annual Conference
- 2022 UMD AREC Development and Applied Micro Tea
- 2018 American Association of Public Opinion Research (AAPOR) Annual Conference

## TEACHING

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### University of Maryland

HNUH 258A: Harvesting Big Data to Understand Agriculture and Climate Change; TA to Dr. Lars Olson (Fall 2021)  
AREC 481: Environmental Economics; TA to Dr. Robertson Williams (Spring 2021)  
AREC 365: World Hunger, Population, and Food Supplies; TA to Dr. Kenneth Leonard (Fall 2020)

### Indiana University

SPEA-R 625: Environmental Economics and Policy; TA to Dr. Kenneth Richards (Spring 2018)  
SPEA-V 517: Public Management Economics; TA to Dr. Kenneth Richards (Fall 2017)  
SPEA-E 574: Energy Systems; TA to Prof. John Rupp (Fall 2017)

### Oklahoma State University

STAT 2023: Elementary Statistics for Business and Economics; TA to Dr. Brenda Masters (Fall 2014 - Spring 2016)  
POLS 1113: Introduction to American Government; TA to Dr. Eric French (Fall 2013)

## RELEVANT SKILLS

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<b>Programming &amp; Software</b>	R (Proficient); Stata (Advanced); Python (Beginner)
<b>Academic Writing &amp; Presentations</b>	Beamer; L <sup>A</sup> T <sub>E</sub> X; Microsoft Office; Overleaf

## PROFESSIONAL ACTIVITIES AND SERVICE

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### Referee Service

*Journal of the Association of Environmental and Resource Economists (JAERE); Environmental Processes*

### Organization Memberships

AAEA; AEA; AERE; WEAI

### Mentorship Programs

IU O'Neill Mentor Collective Alumni Mentor (2021 - 2022)  
UMD Summer Opportunities in Agricultural Research and the Environment (SOARES) PhD Mentor (2021)

## AWARDS AND HONORS

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### University of Maryland

Jacob K. Goldhaber Travel Grant (2022)  
Graduate School Dean's Fellowship Award (2020 - 2021)

**Indiana University**

SPEA Graduate Fellowship Funding Award (2016 - 2018)

Best Environmental Policy Paper, SPEA Ph.D. Student Association Conference (2017)

**Oklahoma State University**

Phi Beta Kappa, Gamma of Oklahoma Chapter (2016)

College of Arts and Sciences Top Ten Most Outstanding Senior (2016)

Outstanding Senior in Statistics (2016)

Graduated *summa cum laude* with Dual Honors College Degrees (2016)

**Last updated: July 6, 2022**