

# Andrew R. Waxman

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## Contact Information:

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## EMPLOYMENT & AFFILIATIONS

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|---|-------------|
| Assistant Professor, University of Texas at Austin, LBJ School of Public Affairs  | 2018 -      |
| Visiting Scholar, Belfer Center for Science & International Affairs               | 2022 - 2023 |
| External Faculty Affiliate, Cornell Institute for China Economic Research (CICER) | 2018 - 2020 |
| Assistant Professor, Arizona State University, School of Public Affairs           | 2016 - 2018 |

## EDUCATION

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|---|------|
| Cornell University, Applied Economics, PhD                                    | 2016 |
| Oxford University, Economics for Development, MSc ( <i>with Distinction</i> ) | 2006 |
| Stanford University, Economics, BA ( <i>with Honors</i> )                     | 2005 |

## RESEARCH PAPERS

### PUBLISHED JOURNAL ARTICLES

2021. **Leveraging Scale Economies and Policy Incentives: Carbon Capture, Utilization & Storage in Gulf Clusters** (with Sheila Olmstead, Benjamin Leibowicz, Sean Corcoran and Andrew Robison) *Energy Policy* 156: 112452. Media Coverage: Argus
2020. **Tightening Belts to Buy a Home: Consumption Responses to Rising Housing Prices in Urban China** (with Panle Jia Barwick, Shanjun Li and Yuanning Liang) *Journal of Urban Economics*. 115: 103-190.
2020. **Emissions in the Stream: Estimating the Greenhouse Gas Impacts of an Oil and Gas Boom** (with Achmad Khomaini, Benjamin Leibowicz and Sheila Olmstead) *Environmental Research Letters*. 15(1): 014004. Media Coverage: Reuters, Bloomberg, CNBC, Business Insider, Houston Chronicle, S&P Global, E&E News, AXIOS, NASDAQ
2017. **Can Minimum Wages Close the Gender Wage Gap? Evidence From Indonesia.** (with Mary Hallward-Driemeier and Bob Rijkers) *Review of Income and Wealth*. 63(2): 310-334.
2017. **Do Employers' Responses to Crises Impact Men and Women Differently? Firm-level Evidence from Indonesia.** (with Mary Hallward-Driemeier and Bob Rijkers) *Review of Development Economics*. 21(4): 1018-1056.

## WORKING PAPERS

**Efficiency and Equity Impacts of Urban Transportation Policies with Equilibrium Sorting** (with Panle Jia Barwick, Shanjun Li and Jing Wu) *Revise & Resubmit at American Economic Review*, NBER Working Paper 29012

**Avoiding Traffic Congestion Externalities? The Value of Urgency** (with Antonio Bento and Kevin Roth) *Revise & Resubmit at Journal of Political Economy Microeconomics*, NBER Working Paper 26956

**What are the likely air pollution impacts of carbon capture and storage?** (with HR Huber-Rodriguez & Sheila Olmstead) *Under review at Journal of the Association of Environmental & Resource Economists*

**Decarbonizing the City: Political Support for Innovative Transportation Finance** (with Gian-Claudia Sciara & Ross Buchanan) *Revise & Resubmit, Transport Policy*

**Too Much Parking? A Dynamic Model of Rational Commercial Investment and Urban Parking and Congestion** (with Sofia Franco)

**The Long Road to Work: Divergent Effects of Transportation Policies by Worker Skill in a Locational Sorting Model**

**Shale Gas Drilling and Municipal Finance** (with Akheil Singla)

**Using Big Data to Estimate the Environmental Benefits of Congestion Pricing: Evidence from California** (with Antonio M. Bento, Ruozi Song & Rajat Kochhar)

**Instrument Choice for Carbon Capture Subsidies** (with Joseph Stemmler)

**Pain at the Pump & the Ballot Box: Gas Taxes & Electoral Penalties** (with Gian-Claudia Sciara & Matías Navarro-Sudy)

## OTHER (NON-REFEREED) PUBLICATIONS

**Proposed Fee for Electric, Hybrid Vehicles is a Good Idea for Texas** (with Gian-Claudia Sciara) January 20, 2021 reprinted in Dallas Morning News, Houston Chronicle and the Laredo Morning News.

## GRANT AWARDS & FELLOWSHIPS

### EXTERNAL

**National Bureau of Economic Research**, “Distributional Consequences of New Energy Technologies” (with Sheila Olmstead) Awarded. 2021

**Alfred P. Sloan Foundation**, “The Economics of Scaling Carbon Capture, Utilization and Storage (CCUS)” - co-PI with Sheila Olmstead, Benjamin Leibowicz, Charles Mason, Susan Hovorka & Vanessa Nunez-Lopez: \$849,991 awarded 2021

**National Science Foundation**, Planning Grant, Smart & Connected Cities #1952193: “SCC-PG: ECET: Empowering Community-centric Electrified Transportation” - Co-PI with Hao Zhu: \$150,000 awarded 2019

**Cynthia & George Mitchell Foundation**, “Strategies for Mitigating Climate Impacts of Gulf Coast Industrial Facilities” - PI with co-PIs Sheila Olmstead and Benjamin Leibowicz: \$62,852 awarded 2019

## INTERNAL

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|---|-------------|
| <b>UT- Austin IC<sup>2</sup> Insitute</b><br>"Towards a Well-Being Economy" - Concept Paper Proposal: \$9,000 awarded   | Summer 2022 |
| <b>UT-Austin Policy Research Institute</b><br>Individual Research Grant - Transit Infrastructure Investment: \$14,919 awarded   | Fall 2021   |
| <b>UT-Austin Policy Research Institute</b> (with Sheila Olmstead)<br>Collaborative Research Grant - Carbon Capture, Utilization & Storage: \$39,768.30 awarded  | Fall 2021   |
| <b>LBJ School Dean's Fellowship</b>   | Spring 2021 |
| <b>UT Vice President for Research Special Research Grant</b><br>On and Off the Rails: Transit Networks and Urban Accessibility: \$1,000 awarded   | 2019-20     |
| <b>LBJ School Summer Research Assignment</b>  | Summer 2020 |
| <b>UT Energy Institute, Fueling a Sustainable Energy Transition</b><br>Decarbonizing the City – Financing and Policy Solutions for Transportation - PI with PI Gian-Claudia Sciara and co-PIs Michael Walton & Bryan Jones: \$240,000 awarded | 2020-2021   |
| <b>Institute for Social Science Research</b> , Arizona State University<br>Seed Grant "Resource Extraction and Local Government: The Fiscal Consequences of the Shale Boom" – co-PI with Akheil Singla : \$4,500 awarded                      | 2018-19     |
| <b>Stephen H. Spurr Centennial Fellowship</b> , LBJ School of Public Affairs, University of Texas at Austin,<br>2018-   |             |

## TEACHING

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| <b>Microeconomics / Applied Economics for Policy Analysis</b> - Instructor, PA 393G & 393K, University of Texas at Austin, Master's Level, Fall 2018-2021, 2023 |
| <b>Urban Economics &amp; Policy</b> - Instructor, PA 393L, University of Texas at Austin, Master's Level, Spring 2019, 2020, 2022                               |
| <b>Climate Policy</b> - Instructor, PA 388K, University of Texas at Austin, Master's Level, Spring 2020   |

## TEACHING AWARDS

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| LBJ School Graduate Public Affairs Council: Best Transition to Online Learning Nominee- Spring 2020       |
| LBJ School Graduate Public Affairs Council: Best New Course Winner - Urban Economics & Policy Spring 2019 |

## PROFESSIONAL ACTIVITIES

Seminars & Conference Talks: UT Environmental & Energy Economics Workshop 2023 (organizer); NBER Distributional Consequences of New Energy Technologies Session & Preconference Workshop, 2021 & 2022; AERE Summer Conference, 2012, 2013, 2017, 2019, 2021, 2022; Econometric Society ASSA Meetings, 2022; International Transportation Economics Association Summer Conference, 2014, 2017, 2021; Urban Economics Association Annual Meetings, 2015, 2019, 2020, 2021; UT Social Justice Research Forum,

2021; Midwest Economics Association Annual Meeting, 2021; ASSA Session Organizer & Presenter “Big Data and Innovations in Urban Mobility”, 2021; University of Southern California, Price School, 2020; The Workshop in Environmental Economics & Data Science, 2020; Urban Economics Association Annual Meetings, 2015, 2019, 2020; Western Economics Association International Annual Meeting, Online, 2020; Kraks Fond Managing Congestion Workshop, Copenhagen, 2020; Annual Conference on Taxation, National Tax Association, 2019; University of California at Irvine, Urban and Transportation Economics Group, 2019; Brookings-Tsinghua Center China Transportation Conference Beijing 2018; University of Texas at Austin Department of Economics, Applied Microeconomics Lunch Seminar, 2018; APPAM 2017; NBER Summer Institute, Environmental and Energy Economics, 2017; Environmental, Real Estate and Urban Economics, Cornell University, 2014, 2015; AERE Sponsored Session on Big Data, 2015; NBER Summer Institute, Environmental and Energy Economics Workshop, Egg Timer Presentation, 2013, 2015; 3rd Northeast Workshop on Energy Policy and Environmental Economics, Yale University, 2015; Economics Department, 2nd Canadian Ph.D. Workshop, University of Ottawa, 2012.

Referee: Journal of the European Economic Association, Nature Energy, Journal of Human Resources, Empirical Economics, Review of Economics and Statistics, Journal of Public Economics, Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Journal of Human Resources, Empirical Economics, China Economic Review, Resource and Energy Economics, Economics of Transportation, Strategic Behavior and the Environment, Regional Science and Urban Economics.

Professional Affiliations: Econometric Society, National Tax Association, American Economic Association, Association of Environmental and Resource Economists, Urban Economics Association, Regional Science Association International, International Transportation Economics Association, Association for Public Policy Analysis and Management.

Invited Panelist or Speaker: Online Spatial and Urban Seminar, April 2022; UCSD Economics Department, April 2022; UTCCS6, University of Texas at Austin, January 2022; University of Southern California, Sol Price School of Public Policy, November 2020; Energy Week, Energy Economics of Green New Deal, Energy Institute, 2020; University Consultative Meeting with Assistant Secretary of Energy Daniel Simmons, 2019; Aspen Dialogue, Natural Gas Sector, Houston, 2019.

University Service: LBJ PhD Comprehensive Exam Committee 2020-1; PT2050 Metropolitan LBJ Faculty Hire Selection Committee; Energy @ UT Faculty & Researchers Round-Up; LBJ Performance-Based Assessment Committee (2019-20) LBJ PhD Admissions Committee (2019-20), Planet Texas 2050 Economics advisory group (2019), LBJ Microeconomics Coordinator (2019), LBJ Master’s Admissions Committee (2018-9), ASU School of Public Affairs MPA/MPP Committee (2017-2018, member), School of Public Affairs ASU Online Committee (2016, member).

Student Advising: Graduate Steering Committee Membership: LBJ MGPS, LBJ MPAff, LBJ PhD, Jackson School of Geosciences Energy and Earth Resources MS; PhD: Alfonso Rojas-Alvarez, LBJ School UT-Austin (co-chair); Jiaming Zheng, LBJ School UT-Austin (committee member); Julian Plough, LBJ School UT-Austin (committee member); Milad Eghtedari Naeini, Operations Research and Industrial Engineering UT-Austin (committee member); Michael Moore, Civil, Architectural and Environmental Engineering UT-Austin (committee member); Rydell Walthall, Civil, Architectural and Environmental Engineering UT-Austin (committee member); Shunhua Bai, School of Architecture UT Austin (committee member); Haijing Liu, School of Architecture UT Austin (committee member); Avralt-Od Purevjav, Cornell University (ad-hoc committee member - University of Bern); Yuanning Liang, Cornell University (ad-hoc committee member). Master’s: Rydell Walthall, Civil, Architectural, and Environmental Engineering and LBJ School, UT-Austin (thesis advisor). Undergraduate: Chancellor Nettles, Public Health (Bridging Disciplines Mentor).