

Rachel M. Krause
School of Public Affairs and Administration
University of Kansas
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Academic Appointments

University of Kansas, School of Public Affairs and Administration
Masters of Public Administration Program Director, May 2017 – Present
Associate Professor, June 2016 – Present
Assistant Professor, August 2013 – June 2016

University of Texas at El Paso, Masters of Public Administration Program
Assistant Professor, September 2011 – August 2013

Education

Indiana University, Bloomington, Indiana
Ph.D. in Public Affairs, June 2011
Concentrations: Policy Analysis and Environmental Policy

University of Texas at Austin, Austin, Texas
Master of Public Affairs, May 2005

Rice University, Houston, Texas
Bachelor of Arts in Political Science and Public Policy, *magna cum laude*, May 2003

Books

Krause, Rachel M. and Christopher V. Hawkins. (2021). *Implementing City Sustainability: Overcoming Administrative Silos to Achieve Functional Collective Action*. Philadelphia, PA, Temple University Press.

- Reviewed: Lebovits, Hannah, *Public Administration*, DOI: 10.1111/padm.12733
- Reviewed: Deslatte, Aaron. *Journal of Urban Affairs*. DOI: 10.1080/07352166.2021.1939603

Peer-Reviewed Publications

Hawkins, Christopher V., **Rachel M. Krause**, Aaron Deslatte. (accepted) Staff Support and Administrative Capacity in Strategic Planning for Local Sustainability. *Public Management Review*.

Rachel M. Krause, Christopher V. Hawkins. (2021). Viewpoints: Improving cities' implementation of sustainability objectives. *Cities*. 113, 103167.

Rachel M. Krause. (2021) Why are we doing this? Issue framing, problem proximity, and cities' rationale for regulating single-use plastics. *Journal of Environmental Policy and Planning*. DOI: 10.1080/1523908X.2021.1881463

Pierce, John C.; Krause, **Rachel M.**; Hofmeyer, Sarah L.; Johnson, Bonnie J. (2021) Explanations for Wind Turbine Installations: Local and Global Environmental Concerns in the Central Corridor of the United States? *Energies*, 14, 5830. <https://doi.org/10.3390/en14185830>

Park, Angela Y.S., **Rachel M. Krause**. (2021) Exploring the landscape of sustainability performance management systems in U.S. local governments. *Journal of Environmental Management*. DOI: 10.1016/j.jenvman.2020.111764

Hawkins, Christopher V., **Rachel M. Krause**. (2021) Trends in Resource Capacity and Collaboration for City Sustainability: Implications for Planning Research and Practice. *Planning Theory and Practice*. 22 (1): 141-147.

Rachel M. Krause, Christopher V. Hawkins, Angela Y.S. Park. (2021). The perfect amount of help: An examination of the relationship between capacity and collaboration in urban energy and climate initiatives. *Urban Affairs Review*. 57 (2):583-608.

Park, Angela Y.S., **Rachel M. Krause**, Christopher V. Hawkins. (2020) Institutional Mechanisms for Local Sustainability Collaboration: Structural Equation Modeling Approach to Assessing the Duality of Formal and Informal Mechanisms. *Journal of Public Administration Research and Theory*. 31 (2): 434-450.

Long, Le Anh Nguyen, **Rachel M. Krause**. (2020). Managing policy making in the local climate governance landscape: The role of network administrative organizations and member cities. *Public Administration*. DOI: 10.1111/padm.12684

Serena Kim, William L. Swann, Christopher M. Weible, Thomas Bolognesi, **Rachel M. Krause**, Angela Y.S. Park, et al. (2020). Updating the Institutional Collective Action Framework. *Policy Studies Journal*. DOI: 10.1111/psj.12392

Rachel M. Krause, Angela Y.S. Park, Christopher V. Hawkins, R.C. Feiock. (2019). The Effect of Administrative Form and Stability on Cities' use of Greenhouse Gas Emissions Inventories as a basis for Mitigation. *Journal of Environmental Policy and Planning*. 21(6): 826-840.

Rachel M. Krause, Christopher V. Hawkins, Angela Y.S. Park, R.C. Feiock. (2019). Drivers of Policy Instrument Selection for Environmental Management by Local Governments *Public Administration Review*. 79 (4), 477-487.

Park, Angela Y.S., **Rachel M. Krause**, R. C. Feiock. (2018). Does Collaboration Improve Organizational Efficiency? A Stochastic Frontier Approach Examining Cities' Use of EECBG Funds. *Journal of Public Administration Research and Theory*. 29 (3): 414-428.

Hawkins, Christopher V., **Rachel M. Krause**, Cali Curley, R.C. Feiock. (2017). The Administration and Management of Environmental Sustainability Initiatives: A Collaborative Perspective. *Journal of Environmental Planning and Management*. 61 (11): 2015-2031.

Curley, Cali, **Rachel M. Krause**, R.C. Feiock, Christopher V. Hawkins. (2017). Dealing with Missing Data: A comparative exploration of approaches utilizing the Integrated City Sustainability Database. *Urban Affairs Review*. 55 (2): 591-615.

Feiock, R.C., **Rachel M. Krause**, and Christopher V. Hawkins. (2017). The Impact of Administrative Structure on the Ability of City Governments to Overcome Functional Collective Action Dilemmas: A Climate and Energy Perspective. *Journal of Public Administration Research and Theory*. 27 (4): 615–628.

Yi, Hongtao, **Rachel M. Krause**, and R.C. Feiock. (2017) Back-peddling or Continuing quietly? An assessment of the impact that terminating membership in ICLEI— Local Governments for Sustainability on local sustainability efforts. *Environmental Politics*. 26(1): 138-160.

Krause, Rachel M., John C. Pierce, and Brent Steel. (2016) The impact of auditory and visual experience with wind turbines on support for wind production and proximity-based opposition. *Society & Natural Resources*. 29 (12): 1452-1466.

Silvia, Chris and **Rachel M. Krause**. (2016) Assessing the impact of policy interventions on the adoption of plug-in electric vehicles: An agent-based model. *Energy Policy*. 96: 105-118.

Krause, Rachel M., B.W. Lane, Sanya Carley, John D Graham. (2016) Assessing Demand by Urban Consumers for Plug-in Electric Vehicles under Future Cost and Technological Scenarios. *International Journal of Sustainable Transportation*. 10 (8): 742-751.

Hawkins, Christopher V., **Rachel M. Krause**, R.C. Feiock, and Cali Curley. (2016) Making Meaningful Commitments: Accounting for Variation in Cities' Investments of Staff and Fiscal Resources to Sustainability. *Urban Studies*. 53 (9): 1902–24.

Krause, Rachel M., Hongtao Yi, and R.C. Feiock. (2016) Applying policy termination theory to the abandonment of climate protection initiatives by U.S. local governments. *Policy Studies Journal*. 44(2): 176-195.

Dumortier, Jerome, Saba Siddiki, Sanya Carley, Joshua Cisney, **Rachel M. Krause**, B.W. Lane, John A. Rupp, and John D. Graham. (2015) Effects of providing total cost of ownership information on consumers' intent to purchase a hybrid or plug-in electric vehicle. *Transportation Research Part A: Policy and Practice*. 72: 71-86.

Siddiki, Saba; Jerome Dumortier; Cali Curley; John D. Graham; Sanya Carley; **Rachel M. Krause**. (2015) Examining Drivers of Innovative Technology Adoption Intention: The Case of Plug-In Vehicles. *Review of Policy Research*. 32 (6):649-674.

Krause, Rachel M., R.C. Feiock and Christopher J. Hawkins. (2014) The Administrative Organization of Sustainability within Local Government. *Journal of Public Administration Research and Theory*. 26(1): 113-127.

Warren, David C., Sanya Carley, **Rachel M. Krause**, John Rupp, John D. Graham. (2014) "Predictors of Attitudes toward Carbon Capture and Storage using Data on Worldviews and CCS-Specific Attitudes" *Science and Public Policy*. 41 (6): 821-834.

Krause, Rachel M., Sanya Carley, David C. Warren, John A. Rupp and John D. Graham. (2014) Not In (or Under) my Backyard: Geographic proximity and public acceptance of Carbon Capture and Storage (CCS) facilities. *Risk Analysis*. 34(3): 529-540.

Feiock, R.C., **Rachel M. Krause**, and Christopher J. Hawkins. Cali Curley. (2014) The Integrated City Sustainability Database. *Urban Affairs Review*. 50 (4): 577-589.

Krause, Rachel M., Sanya R. Carley, B.W. Lane and John D. Graham. (2013) Perception and Reality: Public Knowledge of Plug-in Electric Vehicles in 21 U.S. Cities. *Energy Policy*. 63:433-440.

Wendling, Zachary, Shahzeen Attari, Sanya Carley, **Rachel Krause**, David Warren, John Rupp, John Graham. (2013) On the importance of strengthening moderate beliefs in climate science to foster support for immediate action. *Sustainability*. 5: 5153-5170.

Krause, Rachel M. (2013) The motivations behind municipal climate engagement: An empirical assessment of how local objectives shape the production of a public good. *Cityscape: A Journal of Policy Development and Research*. 15(1): 129-145.

Lane, B.W., Devin Hartman, Natalie Messer, Sanya Carley, **Rachel M. Krause**, John D. Graham. (2013) "Government promotion of the electric car: Risk management or industrial policy?" *European Journal of Risk Regulation*. 2013(2): 224-241.

Carley, Sanya R., **Rachel M. Krause**, Bradley W. Lane and John D. Graham. (2013) Intent to purchase a plug-in electric vehicle: A survey of early impressions in large U.S. cities. *Transportation Research D: Transport and Environment*. 18:39-45.

** Highly Cited Research Recognition**

Krause, Rachel M. (2012) An Assessment of the Impact that Participation in Local Climate Networks has on Cities' Implementation of Climate, Energy, and Transportation Policies. *Review of Policy Research*. 29(5): 585-604.

Carley, Sanya R., **Rachel M. Krause**, David C. Warren, John A. Rupp and John D. Graham. (2012) Early public impressions of terrestrial carbon capture and storage in a coal-intensive state. *Environmental Science and Technology*. 46(13): 7086-7093.

Krause, Rachel M. (2012) The Impact of Municipal Renewable Electricity Use on Greenhouse Gas Emissions in the United States. *Energy Policy*. 47: 246-253.

Krause, Rachel M. (2012) Political Decision-Making and the Local Provision of Public Goods: The Case of Municipal Climate Protection. *Urban Studies*. 49(11): 2399-2417.

Krause, Rachel M. (2011) An assessment of the greenhouse gas reducing activities being implemented in US cities. *Local Environment*. 16(2): 193-211.

Krutilla, Kerry, **Rachel M. Krause.** (2011) Transaction Costs and Environmental Policy. *International Review of Environmental and Resource Economics*. 4(3,4): 261-354.

Krause, Rachel M. (2011) Symbolic or Substantive Policy? Measuring the Extent of Local Commitment to Climate Protection. *Environment and Planning C: Government and Policy*. 29(1): 46-62.

Krause, Rachel M. (2010) Policy Innovation, Intergovernmental Relations and the Municipal Adoption of Climate Protection Initiatives. *Journal of Urban Affairs*. 33(1): 45-60.

Krause, Rachel M. (2009) Developing conditions for environmentally sustainable consumption: drawing insight from anti-smoking policy. *International Journal of Consumer Studies*. 33(3): 285-292.

Book Chapters

Krause, Rachel M. and J.C. Martel (2018) “Greenhouse Gas Management: A Case Study of a Typical American City” in *Handbook of Sustainability: Case Studies and Practical Applications*. Ed. Robert Brinkman and Sandra Garren. Palgrave.

Krause, Rachel M. (2014) “Climate Policy Innovation in American Cities” in *Changing Climate Politics: U.S. Policies and Civic Action*. Ed. Yael Wolinsky-Nahmias. CQ Press.

Conference and Invited Research Presentations (2014-present)

Public Leadership to Expand the Boundaries of Urban Sustainability. National Academy for Public Administration. Bloomington, IN, November, 2021. (Invited)

How has the COVID crisis impacted local governments’ sustainability efforts? An examination of initial effects. Association of Collegiate Schools of Planning (ACSP) Annual Conference, online.

Innovations in organizational structure: Managing complex challenges The case of city sustainability. Korean Association of Public Administration International Conference. Seoul, Korea (via Zoom). June, 2021.

Engaging Students to Co-Produce Public Service Learning: Applications in Sustainability, Community Development and Environmental Justice. Network of Schools of Public Policy, Affairs, and Administration, Online. October, 2020.

Why are we doing this? Impact proximity and cities' rationale for regulating single-use plastic bags. Association for Public Policy Analysis and Management. Denver, CO, November 2019.

A Framework for Assessing Integration in Local Sustainability Management, Association for Public Policy Analysis and Management International, Barcelona, Spain, July, 2019.

An in-depth look at mechanisms to overcome Functional Collective Action: Findings from eight city studies. Public Management Research Conference, Chapel Hill, NC, June, 2019.

A Framework for Assessing Integration in Local Sustainability Management. University of Missouri, Subnational Environmental Administration Conference, Columbia, MO, April, 2019.

“Power in the Local Climate and Sustainability Meta-Network: Examining cities’ use of multiple memberships for impact maximization.” University of Nevada Las Vegas, Las Vegas, NV, March, 2019. (Invited)

Power in the Local Climate and Sustainability Meta-Network: Examining cities’ use of multiple memberships for impact maximization. Southern Political Science Association. Austin, TX, January, 2019.

Local Climate and Sustainability Policy Networks: An examination of cities use of multiple memberships for strategic positioning and impact maximization. Association for Public Policy Analysis and Management. Washington, DC, November, 2018.

The perfect amount of help: An examination of the relationship between capacity and collaboration in urban energy and climate initiatives. Association for Public Policy Analysis and Management International. Mexico City, Mexico. July 2018.

Overcoming FCA dilemmas through Lead Agency Coordination: The case of Orlando and KCMO. American Society for Public Administration, Denver, CO. March, 2018.

The Effect of Administrative Form and Stability on the Success of Cities’ Greenhouse Gas Mitigation Efforts. Southern Political Science Association, New Orleans, LA, January, 2018.

From Planning to Effective Policy Outcomes: The Effect of Administrative Form and Stability on the Success of Cities’ Greenhouse Gas Mitigation Efforts. Association for Public Policy Analysis and Management, Chicago, IL November, 2017.

Integrated City Sustainability: How Administrative Form Shapes Local Sustainability Governance and Outcomes. EcoCities Summit. Melbourne, Australia. July, 2017.

Local policy instrument selection for land and water management. Urban Affairs Association. Minneapolis, MN, April, 2017.

Does collaboration increase programmatic scope? A Stochastic Frontier approach examining cities' use of EECBG funds. Southern Political Science Association, New Orleans, LA, January, 2017.

An examination of cities policy instrument selection for local land and water management. Southern Political Science Association, New Orleans, LA, January, 2017.

How does interjurisdictional competition affect the types of policy instruments used for environmental sustainability? Association for Public Policy Analysis and Management, Washington, DC, November, 2016.

Managing complex issues that don't fit neatly into traditional administrative structures: The Case of Local Sustainability" International City/County Management Association, Kansas City, MO, September, 2016.

"City level data and the Integrated City Sustainability Database: Modeling building efficiency with the ICSD". RCN Sustainable Human-Building Ecosystems Workshop, Tallahassee, FL, May 19, 2016. (Invited)

"Using the Integrated City Sustainability Database to examine changes in local sustainability initiatives: 2010-2015" American Society for Public Administration, Seattle, WA, March, 2016

"The Impact of Administrative Apparatus on Functional Collective Action Dilemmas in City Sustainability." Martin School of Public Policy and Administration. University of Kentucky, December 4, 2015. (Invited)

"Administrative Apparatus to Overcome Functional Collective Action in City Sustainability." Association for Public Policy Analysis and Management, Miami, FL, November, 2015.

"Integrating Sustainability within City Governments: Administrative Mechanisms to Overcome Functional Collective Action Dilemmas." Evans School of Public Affairs. University of Washington, May, 2015. (Invited)

"Back-pedaling or Continuing quietly? An assessment of the impact that terminating membership in ICLEI-Cities for Sustainability has on local sustainability efforts." Environmental Institutions Seminar Series. Duke University. Durham, North Carolina, April, 2015. (Invited)

"An assessment of the impact that auditory and visual experience with wind turbines has on support for wind production and NIMBY-like opposition." Midwest Political Science Association (MPSA), Chicago, IL, April 2015.

"Back-pedaling or Continuing quietly? An assessment of the impact that terminating membership in ICLEI-Cities for Sustainability on local sustainability efforts." Urban Affairs Association (UAA), Miami, FL, April 2015.

“What happens after program termination? ICLEI membership termination and the continuation of local sustainability efforts.” Association for Public Policy Analysis and Management, Albuquerque, NM, November, 2014.

“Municipal Government Motivation for Sustainability” (Keynote speaker).
2014 Dialog on Sustainability. Kansas State University, Manhattan, Kansas, July 2014. (Invited)

“Climate Policy Innovation in American Cities.” Association for Environmental Studies and Sciences, New York City, NY, June, 2014.

“The Effect of State Clean Energy Policies on Green Jobs: An assessment of regulation and incentive based policy tools.” American Society for Public Administration, Washington, DC, March, 2014.

Courses Taught

PUAD 824: Creating Good Public Policy (Masters), University of Kansas

PUAD 824: Public Policy and Administration (Masters), University of Kansas

PUAD 825: Urban Policy and Administration (Masters), University of Kansas

PUAD 839/694: Sustainable Communities (Masters and undergraduate), University of Kansas

PUAD 853: Policy Analysis and Program Evaluation (Masters), University of Kansas;

PAD 5380: Sustainable Communities (Masters), University of Texas at El Paso;

PAD 5365: Policy Analysis and Decision Making (Masters), University of Texas at El Paso

PAD 5301: Qualitative Research Methods (Masters), University of Texas at El Paso

V160: National and International Policy (Undergraduate), Indiana University

V161: Urban Problems and Solutions (Undergraduate), Indiana University

PhD Student Advising (*committee chair or co-chair)

Saatvika Rai, 2016

Eric Shannon, 2018

J.C. Martel, 2019*

Angela Y.S. Park, 2019*

Morgan Farnworth, on-going*

Mohsen Fatemi, on-going*

Sarah Hofmeyer, on-going*

Grants and Funding

National Science Foundation Decision, Risk and Management Sciences. “Dealing with Disruption: Investigating the Micro-level Underpinnings of City Response to the Climate Crisis.” KU PI: \$203,884. Collaborative grant total: \$524,294. April, 2021 - March, 2024.

National Science Foundation Science of Organizations. “Assessing the impact of lead agency cross-functional authority on city sustainability outcomes.” KU PI: \$245,218. Collaborative grant total: \$366,616. August, 2020 - July, 2022.

University of Kansas, Social Sciences General Research Fund. “Integrated City Sustainability: How administrative form shapes local sustainability governance and outcomes.” \$7000. Summer, 2017.

National Science Foundation Science of Organizations. “Integrated City Sustainability: Administrative Apparatus for Overcoming Collective Dilemmas of Agency Fragmentation” KU PI: \$96,128. Collaborative grant total: \$271,784. May, 2015 - May, 2018.

University of Kansas Commons Starter Grant. “Localized Energy and Climate Adaptation: Advancing Community-Scale Social Justice Goals” \$10,000. Co-PIs: Uma Outka and Ward Lyles. May, 2015 - May, 2016.

CH2M Hill. “Linking Efforts to Outcomes: The Development of Weights for Local Sustainability Actions” \$18,000. October, 2013.

Honors and Awards

2018 Emerging Young Scholar Award - Science, Technology & Environmental Politics Section of the American Political Science Association

2016-2017 Teacher of the Year award. University of Kansas School of Public Affairs and Administration. May, 2017.

2016 Highly cited research recognition – “One of the five most highly cited papers in *Transportation Research Part D*” from 2014-2016.

Science Tour 2016: Research for Sustainable Urban Development participation fellowship Deutscher Akademischer Austauschdienst (German Academic Exchange Service).

2012 Dissertations Initiative for the Advancement of Climate Change Research (DISCCRS) VII Symposium Scholar.

2011 Clarence Stone Scholar, American Political Science Association, Urban Politics Section.

2010 Indiana University School of Public and Environmental Affairs Teaching Award – Best Associate Instructor, 2010.

Environmental Protection Agency Science to Achieve Results (EPA STAR) Fellowship – Science & Technology for Sustainability: Environmental Behavior and Decision Making. \$37,000 a year for up to 3 years. April, 2010

Morris K. Udall Foundation Dissertation Fellowship. \$24,000. April, 2010. (Declined because of incompatibility with EPA STAR Fellowship).

Professional Service

American Political Science Association section on Science, Technology and Environmental Policy (ASPA STEP) board member, 2019-present.

American Political Science Association section on Science, Technology and Environmental Policy (ASPA STEP) Emerging scholar award committee, 2019-2021.

Association for Public Policy Analysis and Management (APPAM) Program Committee, Environment, Natural Resource Security, Energy and Environment section, APPAM Annual Conference, 2015- 2018 (chair 2017, 2018).

Southern Political Science Association Local Governance and Sustainability Conference within a Conference co-chair (2019).

Public Administration Review (PAR) Editorial board member, 2016-2020.

Journal of Public Administration Research and Theory (JPART) Editorial board member, 2019-2021.

Reviewer for: American Journal of Political Science; Carbon Management; Cities; Climate Policy; Energy Policy; Environment and Planning C: Government and Policy; Environmental Politics; Global Environmental Change; Journal of Comparative Policy Analysis; Journal of Public Administration and Theory; Journal of Urban Affairs; Nature Climate Change; Policy Studies Journal; Public Performance and Management Review; Public Administration Review; Policy Sciences; Public Administration; Publius; Regional Studies; Review of Policy Research; Risk Analysis; State and Local Government Review; Sustainability; Transportation Research Part A: Policy and Practice; Urban Affairs Review; Urban Studies.

NSF external reviewer.

Relevant Professional Experience

Texas Commission on Environmental Quality, Texas-Mexico Border Affairs Section
Program and Grant Coordinator (July 2005 to July 2006) Worked with Mexican and U.S. officials to promote environmental health through the reorganization of Border 2012

environmental task forces along the Texas-Mexico border and the implementation of Environmental Management Systems in select Mexican states. Lead report writing on two multi-division federal grants.

United Nations Institute for Training and Research (UNITAR), Hiroshima Office for Asia and the Pacific.

Research Associate / Special Fellow (August 2003 to January 2006) Developed and refined curricula for a capacity building program for Afghan civil servants. Wrote major grant application to World Bank Post-Conflict Fund. Co-conducted an in-house evaluation of UNITAR's Fellowship for Afghanistan.