

## CURRICULUM VITA

### **Rachel M. Krause**

School of Public Affairs and Administration  
University of Kansas  
1445 Jayhawk Blvd, 4060 Wescoe Hall, Rm 4060P  
Lawrence, Kansas 66045  
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### **Academic Appointments**

**Associate Professor**, June 2016 - Present  
School of Public Affairs and Administration  
University of Kansas, Lawrence, Kansas

**Assistant Professor**, August 2013 – June 2016  
School of Public Affairs and Administration  
University of Kansas, Lawrence, Kansas

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

### **Academic Affiliations**

Affiliated Faculty, Local Governance Research Lab, Florida State University

Research Fellow, Center for Organization Research and Design, Arizona State University

### **Education**

**Ph.D. in Public Affairs**, June 2011  
School of Public and Environmental Affairs, Indiana University, Bloomington, Indiana  
*Concentrations*: Policy Analysis and Environmental Policy  
*Minor*: Human Dimensions of Global Environmental Change  
*Dissertation*: Local Decision Making and Policy Innovation: Municipal Involvement in Climate Protection  
*Committee*: Evan Ringquist (Advisor), Kenneth Richards, Barry Rubin, Richard Feiock

**Master of Public Affairs**, May 2005  
Lyndon B. Johnson School of Public Affairs, University of Texas at Austin, Austin, Texas

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

## **Peer-Reviewed Publications**

Yi, Hongtao, **Rachel M. Krause**, and Richard 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.**, Bradley 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.

**Krause, Rachel M.**, Hongtao Yi, and Richard C. Feiock. (2015) “Applying policy termination theory to the abandonment of climate protection initiatives by U.S. local governments.” *Policy Studies Journal*. DOI: 10.1111/psj.12117.

Dumortier, Jerome, Saba Siddiki, Sanya Carley, Joshua Cisney, **Rachel M. Krause**, Bradley W. Lane, John A. Rupp, and John D. Graham. "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 (2015): 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.

Hawkins, Christopher J., **Rachel M. Krause**, Richard C. Feiock, and Cali Curley. (2015) Making Meaningful Commitments: Accounting for Variation in Cities' Investments of Staff and Fiscal Resources to Sustainability. *Urban Studies*. doi: 10.1177/0042098015580898

**Krause, Rachel M.**, Richard C. Feiock and Christopher J. Hawkins. (2014) “The Administrative Organization of Sustainability within Local Government.” *Journal of Public Administration and Theory*. doi: 10.1093/jopart/muu032.

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

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*. doi: 10.1093/scipol/scu016.

**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.

**Krause, Rachel M.**, Sanya R. Carley, Bradley 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, Bradley 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.

**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.** (2011) "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 and **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.** (2014) “Climate Policy Innovation in American Cities” in *Changing Climate Politics: U.S. Policies and Civic Action*. Ed. Yael Wolinsky-Nahmias. CQ Press.

### **Invited Presentations**

“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.

“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.

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

“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.

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

“An Assessment of the Impact that Participation in Local Climate Networks has on Cities’ Implementation of Climate, Energy, and Transportation Policies”  
Local Governance Research Lab, Askew School of Public Administration and Policy. Florida State University, Tallahassee, Florida. December 2012

“The motivations behind municipal climate planning: An empirical assessment of how local objectives shape the production of a public good.”

DeVoe Moore Symposium on the Benefits of Local Sustainability. Florida State University. Tallahassee, Florida. February, 2012.

## **Conferences**

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 (APPAM), 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.

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

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

"The Diffusion of Climate Protection Approaches across U.S. Cities with Distinct Greenhouse Gas Emissions Profile Types." (with JC Martel) Association for Public Policy Analysis and Management (APPAM), Miami, FL, November, 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.

"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.

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

“Climate Policy Innovation in American Cities.” Association for Environmental Studies and Sciences (AESS), 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 (ASPA), Washington, DC, March, 2014.

“The local climate policy dynamic: An Investigation of the termination of community climate protection initiatives.” Association for Public Policy Analysis and Management (APPAM), Washington, DC, November, 2013.

“Pressure, Capacity and Institutions: Explaining the Administrative Organization of Sustainability within Local Governance” Public Management Research Association Conference. Madison, WI, June, 2013.

“The motivations behind municipal climate engagement: An empirical assessment of how local objectives shape the production of a public good” American Society for Public Administration (ASPA), New Orleans, LA, March, 2013.

“Not Under My Backyard: Geographic proximity and public acceptance of CCS facilities” Association for Public Policy Analysis and Management (APPAM), Baltimore, MD, November, 2012

“An Assessment of Public Knowledge of Plug-in Electric Vehicles” U.S. Association of Energy Economics (USAEE), Austin, TX, November 2012

“Local Decision Making and Policy Innovation: Municipal Involvement in Climate Protection” Dissertations Initiative for the Advancement of Climate Change Research (DISCCRS), Colorado Springs, Colorado, October 2012

“Perception and Reality: Public Knowledge of Plug-in Electric Vehicles in 21 U.S. Cities” Urban Affairs Association (UAA), Pittsburgh, PA, April, 2012

“An Assessment of the Impact of Participation in Local Climate Networks on Member-Cities’ GHG Reducing Activities.” Association for Public Policy Analysis and Management (APPAM), Washington, DC, November, 2011

“Governance Networks for Emergency Management” (Panel discussant) Association for Public Policy Analysis and Management (APPAM), Washington, DC, November, 2011

“Assessing the Impact of Policy Interventions on the Adoption of Plug-in Electric Vehicles: An Agent-Based Model” (with Chris Silvia). Association for Public Policy Analysis and Management (APPAM), Washington, DC November, 2011

“Public Perceptions of Carbon Capture and Storage: Survey Evidence from Indiana” (Presented by David Warren). United States Association for Energy Economics (USAEE), Washington, DC, October, 2011

“Words or Deeds: A comparison of factors influencing the adoption and implementation of GHG-reducing initiatives in U.S. cities.” Midwest Political Science Association (MPSA), Chicago, IL, March, 2011

“Tying Local Policy, Management, and Institutional Arrangements to Environmental Outcomes: The Role of Urban Forests in Municipal Sustainability Initiatives” (poster). Association for Public Policy Analysis and Management (APPAM), Boston, MA, November, 2010

“Local Policy Making and Climate Protection: Filling in the Data Gap.” Urban Affairs Association (UAA), Honolulu, HI, March, 2010

“Symbolic or Substantive Policy? Measuring the Extent of Local Commitment to Climate Protection.” Association for Public Policy Analysis and Management (APPAM), Washington, D.C., November, 2009

“Policy Innovation and Municipal Climate Protection Initiatives.” Urban Affairs Association (UAA), Chicago, IL, March, 2009

“Consumer Behavior and Environment: Laying the Groundwork for Policies towards Sustainability.” International Studies Association (ISA), New York City, NY, February, 2009

“Policy Diffusion and the Sub-national Adoption of Climate Change Mitigation Initiatives” Association for Public Policy Analysis and Management (APPAM), Los Angeles, CA November, 2008

### **Teaching Experience**

**PUAD 824: Public Policy and Administration** (Master’s level), University of Kansas; Spring 2015, Spring 2016, Spring 2017

**PUAD 825: Urban Policy and Administration** (Master’s level), University of Kansas; Fall 2103, Fall 2014, Spring 2017

**PUAD 839/694: Sustainable Communities** (Master’s and undergraduate), University of Kansas; Fall 2013, Spring 2104, Fall 2014

**PUAD 853: Policy Analysis and Program Evaluation** (Master’s level), University of Kansas; Spring 2014, Spring 2015, Spring 2016, Fall 2016

**PAD 5380: Sustainable Communities** (Master’s level), University of Texas at El Paso; Spring 2013

**PAD 5365: Policy Analysis and Decision Making** (Master's level), University of Texas at El Paso; Fall 2011 (two sections), Fall 2012

**PAD 5301: Qualitative Research Methods** (Master's level), University of Texas at El Paso; Spring 2012, 2013

**V160: National and International Policy** (Undergraduate), Indiana University; Spring 2009, Fall 2009, Spring 2010

**V161: Urban Problems and Solutions** (Undergraduate), Indiana University; Fall 2007, Spring 2008, Fall 2008

### **Fellowships, Grants and Awards**

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

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

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

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

“*Collaborative Research: Integrated City Sustainability: Administrative Apparatus for Overcoming Collective Dilemmas of Agency Fragmentation*”  
National Science Foundation (NSF) Science of Organizations (SoO)  
Co-PIs: Richard Feiock and Christopher Hawkins. (Total: \$271,784, KU portion: \$96,128). May, 2015.

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

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

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



Clarence Stone Scholar

American Political Science Association, Urban Politics Section. August, 2011.

Environmental Protection Agency Science to Achieve Results (EPA STAR) Fellowship – Science & Technology for Sustainability: Environmental Behavior and Decision Making (\$111,000 - \$37,00 a year for up to 3 years). April, 2010

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

Indiana University School of Public and Environmental Affairs Teaching Award – Best Associate Instructor, 2010 (\$250). March, 2010

Chancellor's Fellowship (approximately \$39,000)  
Indiana University, Bloomington, Indiana, March 2006

LBJ Foundation Award for Academic Excellence (\$1,000)  
University of Texas at Austin, Austin, Texas May, 2005

LBJ School nomination for the University of Texas at Austin Graduate School's Outstanding Thesis/Report Award, 2005

University of Texas Deans Fellowship (approximately \$30,000)  
University of Texas, Austin, Texas, August 2003

Magna cum laude, Rice University, Houston, Texas, May 2003

Phi Beta Kappa, Rice University, Houston, Texas, May 2003

## **Service**

Association for Public Policy Analysis and Management (APPAM) Program Committee, Environment, Natural Resource Security, Energy and Environment section, APPAM Annual Conference, 2015, 2016.

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

NSF external reviewer

## **Related Professional Experience/ Employment**

### **Program and Grant Coordinator, July 2005 to July 2006**

Texas Commission on Environmental Quality and the University of Texas at Austin  
Environmental Science Institute, Texas-Mexico Border Affairs Section  
Austin, Texas - Collaborated with Mexican and U.S. officials to promote border 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-divisional federal grants.

### **Research Associate / Special Fellow, August 2003 to January 2006**

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

Austin, Texas/ Hiroshima, Japan- 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.