

Ryan P. Scott

Assistant Professor, Political Science
Colorado State University
rpscott@colostate.edu
253-569-7236

Education

Degrees

Doctor of Philosophy- Daniel J Evans School of Pub. Policy and Governance, University of Washington
JUNE 2017

Dissertation: "Engaging the public in planning and complaining: firm voluntary practice, public complaints, and deliberating the risks of oil and gas development"

Committee Chair: Alison C. Cullen Committee Members: Ann Bostrom, Craig Thomas and Michael Yost

MS in Public Policy and Management- Evans School of Public Affairs, University of Washington
SEPTEMBER 2012 - DECEMBER 2014

GPA 3.88, Training in policy analysis, advanced quantitative methods, qualitative research methods, demographic methods and organizational theory. Specific methodological coursework in: Text as Data (NLP), Categorical Data Analysis, Event History Analysis, Survey Sampling, Spatial Epidemiology (GIS in R), Risk Analysis

BA History- Washington State University, Pullman, WA
AUGUST 2008 - MAY 2012

Graduated Summa Cum Laude, GPA 3.99, Honors College, Minor in English. Courses in Pacific Northwest history, modern US history, history of the Columbia Basin. Background in history of state and local policies. Thesis: "Deadly Dust on their Overalls: Workers, Asbestos, and Disease in Twentieth Century Puget Sound Shipbuilding Communities"

BA Political Science- Washington State University, Pullman, WA
AUGUST 2008 - MAY 2012

Graduated Summa Cum Laude, GPA 3.99, Honors College, courses in policy analysis, tribal policy, environmental policy, economics, media and politics provide experience in interpretation and responding to complex policy issues.

Certificates

Certificate- Institute for Qualitative and Multi-Method Research, Syracuse University
June 2014

Certificate in Demography- Center for the Study of Demography and Ecology, University of Washington
June 2017

Publications and Presentations

Journal Articles

Greer, Robert A., Tima Moldogaziev, Ryan P. Scott and Tyler A. Scott, 2022. "Signaling Resilience: A Computational Assessment of Narratives in Local Government Budgets" *Journal of Policy Analysis Research and Theory*, conditional accept.

Rathod, Sagar, Tami Bond, Zbigniew Klimont, Jeffrey R. Pierce, Natalie M. Mahowald, Chaitri Roy, John Thompson, Ryan P Scott, Karin Hoal, and Peter Rafaj. "Future PM2.5 emissions from metal production to meet

renewable energy demand." *Environmental Research Letters* (2022).

Scott, Ryan P., Tyler A. Scott, Robert Greer, 2022. "Who Owns the Pipes? Utility Ownership, Infrastructure Conditions, and Methane Emissions in United States Natural Gas Distribution" *Review of Policy Research* Early view.

Scott, Ryan P. 2021. "Shared Streets, Park Closures and Environmental Justice during a Pandemic Emergency in Denver, Colorado." *Journal of Transport & Health* 21 (June): 101075.

Scott, Ryan P., Alison C. Cullen, and Guillaume Chabot-Couture, 2021. "Disease surveillance investments and administration: Limits to information value in Pakistan polio eradication." *Risk Analysis* 41, no. 2: 273-288.

Scott, Tyler A., Nicola Ulibarri, and Ryan P. Scott. 2020. "Stakeholder Involvement in Collaborative Regulatory Processes: Using Automated Coding to Track Attendance and Actions: Stakeholder Involvement in Regulation." *Regulation & Governance* 18 (July): 543.

Scott, Ryan P. 2019 "More Than Just Complaints: Generating Thick Engagement Through Thin Participatory Programs" *Perspectives on Public Management & Governance*. 2 (2) 155.

Scott, Ryan P., Tyler A. Scott, Robert Greer, 2019. "The Environmental and Safety Performance of Gas Utilities in the United States" *Energy Policy*. 133, 110892.

Scott, Ryan P., and Tyler A. Scott. 2019. "Investing in Collaboration for Safety: Assessing Grants to States for Oil and Gas Distribution Pipeline Safety Program Enhancement." *Energy Policy* 124 (January): 332-45.

Scott, Ryan P. 2018. "Should we call the neighbors? Voluntary deliberation and citizen complaints about oil and gas drilling." *Energy Policy* 115 (April): 258-272.

Biedenweg, Kelly, Ryan P. Scott, and Tyler A. Scott. 2017. "How Does Engaging with Nature Relate to Life Satisfaction? Demonstrating the Link between Environment-Specific Social Experiences and Life Satisfaction." *Journal of Environmental Psychology* 50: 112-24.

Scott, Ryan P., Tyler A. Scott, and Richard Zerbe. 2016. "Bureaucratic Benefit-Cost Analysis and Policy Controversy." *Journal of Benefit-Cost Analysis* 7 (02). Cambridge University Press: 350-71.

Scott, Ryan P., Alison C. Cullen, Cate Fox-Lent, and Igor Linkov. 2016. "Can Carbon Nanomaterials Improve CZTS Photovoltaic Devices? Evaluation of Performance and Impacts Using Integrated Life-Cycle Assessment and Decision Analysis." *Risk Analysis: An Official Publication of the Society for Risk Analysis* 36 (10): 1916-35.

Scott, Ryan P., and Alison C. Cullen. 2016. "Reducing the Life Cycle Environmental Impacts of Kesterite Solar Photovoltaics: Comparing Carbon and Molybdenum Back Contact Options." *International Journal of Life Cycle Assessment* 21 (1). Springer Berlin Heidelberg: 29-43.

Conference Presentations

Carter David, Ryan P. Scott, and Tyler A. Scott, "Testing the link between social vulnerability and emergency relief distribution: The CARES Act and Colorado local governments". PAR Disaster Management Special Issue Virtual Symposium, February 14, 2022.

Scott, Ryan P., Sara Guenther, "Does Citizen Co-Production of Species Data Enhance Species Protections in Energy Land Use Plans?", Association for Public Policy Analysis and Management, November 8, 2019

Scott, Tyler, Nicola Ulibarri, and Ryan Scott. What gets a hard look? Bureaucratic discretion in regulatory implementation and infrastructure decision-making. 5th Annual Environmental Politics & Governance Conference, Santa Barbara, CA, June 2019

Scott, Tyler, Nicola Ulibarri, and Ryan Scott. What gets a hard look? Bureaucratic discretion in regulatory

implementation and infrastructure decision-making. Public Management Research Conference, Chapel Hill, NC, June 2019

Greer, Robert, Ryan P. Scott, Tima Mozgoldov, Tyler A. Scott "Signaling Resilience: The “New” Informational Content of Municipal Credit Quality", Subnational Environmental Administration Conference, Harry S Truman School of Public Affairs, April 2019.

Scott, Ryan P. "Drilling for oil on conservation easements and collaborative options for planning.", Midwest Political Science Association Annual Meeting, Midwest Political Science Association, April 2019.

Scott, Ryan P., "Institutional fragmentation and energy service provision in metropolitan regions: Performance, pricing, and regulatory response..", Midwest Political Science Association Annual Meeting, Midwest Political Science Association, April 2019.

Scott, Ryan P."Oil and gas drilling on conservation easements: A role of collaborative governance?", Consortium on Collaborative Governance Workshop, Consortium on Collaborative Governance, February 2019.

Scott, Ryan P. and Tyler A. Scott, “Disaster v. Corrosion: Managing Competing Risks Facing Municipal Gas Infrastructure”. Society for Risk Analysis Annual Meeting, December 2018.

Scott, Ryan P., Tyler A. Scott, and Robert Greer. “Institutional Fragmentation and Critical Infrastructure Systems: How Network Structure Impacts Performance, Resilience, and Equity.”. Society for Risk Analysis Annual Meeting, December 2018.

Scott, Ryan P., *Tyler A. Scott*, and Robert Greer. “Institutional Fragmentation and Critical Infrastructure Systems: How Network Structure Impacts Performance, Resilience, and Equity”. Association for Public Policy Administration and Management. November 2018

Scott, Ryan P. and Tyler A. Scott, “Partnerships, past-performance, and pipeline safety agendas: understanding returns and drivers of oil and gas safety program grants” Western Political Science Association, April 2018

Scott, Ryan P. "Buying Back Impacts: Local Investments in Public Health to Mitigate Mineral Extraction Externalities", Association for Public Policy, Administration, and Management Fall Research Conference, November 2017, Chicago, IL

Scott, Tyler A., Ryan P. Scott, Tima Mozdogaziev, "Resilience in many forms", Association for Public Policy, Administration, and Management Fall Research Conference, November 2017, Chicago, IL

Scott, Ryan P. “When Deliberation Works--or Doesn’t--What Gives? Using Deliberation to Promote Collaborative Learning in Managing Human Impacts of Oil and Gas Development”. Midwest Political Science Association, April 2017, Chicago IL.

Scott, Ryan P. “What Can Drive Changes in Best Practice? Collaboration, Regulation and the Potential to Shape Firm Best Management Practice Adoption” Association of Public Policy Analysis and Management 2016 Fall Conference. November 2016, Washington DC- Poster Presentation

Scott, Ryan P. “Pathways to learning in selecting voluntary risk management practices” Society for Risk Analysis Annual Meeting. December 2016, San Diego- Poster Presentation

Scott, Ryan, Tyler Scott, Kelly Biedenweg, “Measuring and Monitoring Local Subjective Wellbeing in the Puget Sound Region” Salish Sea Ecosystem Conference. April 2016, Vancouver BC

Scott, Ryan P. “Should we call the neighbors? Measuring the effectiveness of deliberation-enhancing best management practices and their potential to reduce local uncertainties about oil and gas development.” Midwest Political Science Association, April 2016, Chicago IL

Scott, Ryan P. “What do complainants know, and how can it help us? Using public complaints to evaluate how

deliberation can be used to manage risks of oil and gas development.” American Society for Public Administration, March 2016, Seattle WA

Cullen, Alison C and Ryan P Scott, “What challenges the application of Life Cycle Assessment in public sector decision making?” American Society for Public Administration, March 2016, Seattle WA

Scott, Ryan P. “Does the content of the analysis matter? Assessing the role of methodological rigor in BCA usage.” Association for Public Policy Analysis and Management, November 2014, Albuquerque NM

Scott, Ryan and Alison Cullen. “Can carbon nanomaterials improve photovoltaics deployability while reducing adverse impacts?” Sustainable Nanotechnology Organization Annual Meeting, November 2014, Boston MA

Scott, Ryan and Alison Cullen. “Applying multi-criteria decision analysis and life cycle approaches to direct engineering research regarding the selection of CZTS back-contacts for thin film photovoltaics” Society for Risk Analysis Annual Meeting, December 2013, Baltimore MD

Scott, Ryan, Richard Zerbe, and Tyler Scott “Benefit Cost and Policy Controversy: Recommendations for BCA practitioners from the Chehalis Basin” Western Economic Association, July 2013, Seattle WA

Scott, Ryan. “Environments of Deadly Dust: A history of shipyard asbestos disease and responses in the Puget Sound region” WSU Academic Showcase, April 2012, Pullman WA

Scott, Ryan, “The Seminar in the Archives, or Wrestling with Primary Sources and Omeka to Interpret the Columbia Plateau” Northwest Regional Archivists Conference, April 2011, Helena MT

White Papers

Scott, Ryan and City of Fort Collins, “Institutional Variation in Municipal Burning Rules” For Fort Collins City Council. September 2018.

Grants and Awards

“GCR: Collaborative Research: Relevant, Rich, and Realistic Representations of Housing, Well-Being, and Energy-Coupled Transitions”. Co-I., NSF Proposal, submitted Feb. 2022

“Integrating Environmental, Energy and Quality of Life Data: Opportunities and Gaps”, Collaboration between Auburn University, UNC Pembroke, and CSU. Co-PI., 2021, Sloan Foundation., funded

SOGES Global Challenges Research Team, “Sustainable Performance of Healthy and Efficient Residential Environments”. 2019-2020 with John Volckens, Delphine Farmer, and Sheryl Magzamen, funded

Sustainability Curriculum Innovation Grant, Spring 2021, Administration of Sustainability: A Case Study on Public Versus Private Provision of Energy Services, funded

Titles, Honors, and Awards

Graduate School Presidential Dissertation Fellowship, University of Washington
2016-2017

Duck Family Graduate Fellow- Center for Environmental Politics, University of Washington
MARCH 2015

Washington State University Honors College Dean’s Award

MAY 2012

Washington State University History Department Outstanding Senior
MAY 2012

Norma C. Fuentes and Gary M Kirk Award for Undergraduate Research
APRIL 2012

WSU Showcase for Undergraduate Research Crimson Award for Humanities
APRIL 2012

Auvil Scholarship for Undergraduate Research
2011

WSU Asia Department Best Paper Award
2011

WSU Distinguished Regents Scholar
2008-2012

Teaching Experience

Assistant Professor- Political Science, Colorado State University

POLS 103: State and Local Government -Fall 2017, Spring 2018, Spring 2019, Fall 2019-21

POLS 460: Public Policy Processes - Fall 2017, Spring 2018, Fall 2018, Spring 2019, Fall 2021

POLS 364: Air, Climate, and Energy Policy Analysis, Fall 2018, Fall 2019, Fall 2020, Spring 2022

POLS/PPA 660: Public Policy Processes, Spring 2021

POLS 670: Politics of Environment and Sustainability, Spring 2020, Spring 2022

Instructor-Evans School of Public Policy and Gov., University of Washington

PBAF 527: Quantitative Analysis I- Winter 2016

Teaching Assistant-Evans School of Public Policy and Gov., University of Washington

PBAF 526: Program Evaluation- Spring 2016

PBAF 522: Public Finance and Budgeting- Fall 2015

PBAF 513: Public Policy Analysis- Spring 2014, 2015

PBAF 527: Quantitative Analysis I- Winter 2014, 2015

PBAF 516: Economics for Policy Analysis and Man. I-Fall 2014

PBAF 597: The Role of Science in Environmental Decisions- Fall 2013

WORKSHOPS/PROFESSIONAL DEVELOPMENT

“Inclusive Pedagogy”, TILT Short Course, CSU, October 2021

“Teaching Online”, TILT Short Course, CSU, July 2020

“Making Assignments” TILT Short Course, CSU, August 2020

“Developing Your Online Course”, CSU Online, Summer 2020

“CSU MOSI Summer Institute” June 2018

WORK/RESEARCH EXPERIENCE

Research Assistantships

Evans Policy Analysis Research Group, Seattle WA, Research Assistant
JUNE 2016 - MARCH 2017

United States Army Corps of Engineers, ERDC, Concord MA
JULY 2014 - SEPTEMBER 2014

Puget Sound Institute, University of Washington, Tacoma WA
JANUARY 2014 - NOVEMBER 2014

Daniel J Evans School of Public Affairs, University of Washington, Seattle WA— *Research Assistant*
JUNE 2012 - NOVEMBER 2014

Professional Activities and Service

Committees

CSU President’s Sustainability Commission (PSC)-- March 2020-present

Political Science Executive Committee: August 2020 to present

Undergraduate Committee--CSU Political Science— 2017-2018, 2019-2020

Graduate Committee--CSU Political Science— 2018-2019

UW Graduate and Professional Student Library Advisory Committee— PhD Student Representative
SEPT 2015-PRESENT

UW Evans School PhD Student Committee—PhD Student Representative
SEPT 2015-JUNE 2016

Journal Reviewing

Risk Analysis, Journal of Public Policy, Policy Studies Journal, International Journal of Life Cycle Assessment,
PLOS One

Student Mentorship

Graduate

John Morse, MA, Spring 2020 (chair)

Hannah Girardy, MA, Spring 2020

Jonathan Williams, MA, Fall 2019

Garrison Anderson, MA, Fall 2018, outside member

Carrington Gelardi, MA, ongoing
Jay Tonne, MA, ongoing
John Parks, MA, ongoing (chair)
Hailey Hall, MA, ongoing (chair)
Ty Aldworth, MA, outside member, ongoing
Tamera Breidenbach, MA, outside member, ongoing
Sagar Rathod, PhD, outside member, ongoing
Andrew Watters, MA, outside member, Spring 2022

Undergraduate

Natalie Hodgeman, honors thesis, Spring 2020 (chair)
Carter Hill, honors thesis, Spring 2020 (chair)
Izze Johnson, honors thesis, Fall 2020
Sarah Siayap, honors thesis, Spring 2021 (chair)
Emily Girsheck, honors thesis, Fall 2021 (chair)