

# Megan R. Bailey

[megan.bailey@ucalgary.ca](mailto:megan.bailey@ucalgary.ca)

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Haskayne School of Business, Finance Area  
University of Calgary  
Scurfield Hall SH 152  
2500 University Drive NW  
Calgary, AB T2H 1N4

The School of Public Policy  
University of Calgary  
Office 620J  
906 8th Avenue SW  
Calgary, AB T2P 1H9

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## Current Position

*Assistant Professor*

Haskayne School of Business and The School of Public Policy (SPP), University of Calgary 2020-

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## Education

Ph.D., Harvard University, Public Policy 2020  
Fields: Environmental economics, Econometrics  
M.A., International Relations; California State University, Fresno; *summa cum laude* 2013  
B.S., Biology, and B.A., Art; California State University, Fresno; *summa cum laude* 2010

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## Research Interests

Climate change policy, energy and environmental economics, innovation

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## Working Papers

“Unintended Consequences of Time-of-Use Rates: EV Charging and Distribution Network Constraints” (with David Brown, Erica Myers, Blake Shaffer, and Frank Wolak), 2024. AEA RCT #0011822.

“[Show me the money! Incentives vs. nudges to shift EV charging behavior](#),” (with David Brown, Blake Shaffer, and Frank Wolak). 2024. AEA RCT #0010282. [NBER Digest](#). *R&R*, *AEJ: Policy*.

“Centralized vs Decentralized Demand Response: Evidence from a Field Experiment” (with David Brown, Blake Shaffer, and Frank Wolak), 2024. AEA RCT #0008680.

“Industry exit and externalities: Evidence from coal phase-out programs and climate change” (with Shefali Khanna), 2024.

“[Innovation not induced: The case of U.S. coal-fired power and its implications for directed technical change](#),” 2024.

“What do we lose by picking winners? The role of technology-specific clean energy incentives in induced innovation,” 2020.

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## Research in Progress

“Demand response among EV owners: A field experiment” (with David Brown, Erica Myers, Blake Shaffer, and Frank Wolak)

“Germany’s coal phase-out program” (with Shefali Khanna)

“Coal shutdowns and air pollution” (with Elinor Benami)

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## Presentations (Academic)

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ASSA, CEPR-NBB joint research workshop on Reaching Net Zero*, POWER Conference (UC Berkeley Haas)*, AERE (upcoming)	2024
ASSA(2)(1)*, Asian Development Bank*, POWER Conference (UC Berkeley Haas), NBER EEE Spring Meeting*, Electricity Camp in the Rockies*, AERE, Stanford SITE, LCM Workshop*, LSE Environment Week, Advances in Field Experiments Conference*, Heartland Workshop	2023
Electricity Camp in the Rockies*, Camp Resources XXVIII, CREEA Conference, USAEE/IAEE North American Conference (accepted but declined)	2022
Potsdam Institute for Climate Impact Research (PIK) Climate & Energy Policies group, CREEA PhD and Early Career Workshop, EAERE, AERE, Northeast Workshop on Energy Policy and Environmental Economics (cancelled due to pandemic), Columbia University Interdisciplinary PhD Workshop in Sustainable Development, NBER Productivity Seminar	2020
Harvard Seminar in Environmental Economics and Policy, Harvard Environmental Economics Program (HEEP) Research Workshop, Northeast Workshop on Energy Policy and Environmental Economics, Columbia University Interdisciplinary PhD Workshop in Sustainable Development	2019
Northeast Environmental Economics Workshop, Yale University	2015
Harvard Graduate Student Workshop in Environmental Economics (10 presentations)	2015-2020

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## Grants Awarded

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Volt-Age (Canada First Research Excellence Fund based at Concordia University) Seed Grant (\$425,000). Co-PI with Blake Shaffer (PI), Erica Myers (Co-PI), and David Brown (Collaborator), and Frank Wolak (Collaborator). “Active charge management of electric vehicles to minimize strain on electricity systems.”	2024-2026
U.S. National Science Foundation Global Centers Competition (\$10.55m, personal allocation \$296,500). Co-applicant with Hamid Zareipour [Canadian PI] and Masood Parvania [U.S. PI] and faculty across 12 U.S. and Canadian universities). “U.S.-Canada Center on Climate-Resilient Western Interconnected Grid.”	2023-2029
SSHRC Insight Development Grant (\$70,200) with David Brown, Erica Myers, and Blake Shaffer (Co-applicants). “Field experiments to facilitate the electricity energy transition.”	2023

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\*Coauthor presented

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ECCC Climate Action and Awareness Fund (\$4,197,000) with Sean McCoy (Lead PI), 17 U. Calgary faculty and 3 external partners. “Assessing Sustainable, Equitable, and Rapidly Deployable Carbon Dioxide Removal Technologies”. Advancing Climate Change Science and Technology RfP. Personal funding allocation:	2022-2028
“Cost effective policy options for negative emissions technologies in Canada” (\$171,600), PI (with Sara Hastings-Simon and Dale Beugin as collaborators).	
“Learning drivers for CDR technologies and large capital decarbonization projects” (\$299,550), collaborator (with Sara Hastings-Simon as PI).	
SSHRC Connection Grant (\$24,810) (as Co-applicant), with Blake Shaffer (PI), Sara Hastings-Simon, Erica Myers, David Brown, and Andrew Leach. “Electricity Camp in the Rockies” (May 2023 event)	2023
SSHRC Connection Grant (\$24,500) (as Collaborator), with Blake Shaffer (PI), Sara Hastings-Simon, Erica Myers, David Brown, and Andrew Leach. “Canadian Electricity Policy Forum” (June 2022 event)	2021
Natural Resources Canada Research Grant (\$15,000), with Blake Shaffer. “The Value of Timely and Detailed Electricity Data for Energy and Economic Policy Research”	2021
Haskayne “Big Idea” Seed Grant (\$20,000), with Blake Shaffer, David Brown, and Frank Wolak. “Demand Response in Alberta”	2021-2023
FES-GRI Joint Research Fund (\$86,000), with Blake Shaffer, David Brown, and Frank Wolak. “Central Control vs. Pricing”	2021-2023

## Awards and Fellowships

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Best paper award, CREEA PhD and Early Career Workshop	2020
Joseph Crump Fellowship	2017
Certificate of Distinction in Teaching, Harvard Derek Bok Center	2015, 2017
Vicki Norberg-Bohm Fellowship	2015
Harvard Kennedy School Mossavar-Rahmani Center for Business and Government	
National Science Foundation Graduate Research Fellowship	2013-2018

## Teaching

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Haskayne School of Business	
Managerial Economics (MGST 611)	2021-
School of Public Policy	
Energy Economics and Finance (SEDV 613)	2023-
Markets and Public Policy (PPOL 602) with Lindsay Tedds	2022
Markets and Public Policy (PPOL 605) with Ken McKenzie	2021
Foundations I (PPOL 601) with Ken McKenzie	2021
Harvard (Teaching Fellow)	
Resources, Climate, Energy—Oh My! A Sophomore Tutorial on the Economics of Long-Term Environmental Issues, Harvard University Department of Economics, (primary instructor with department oversight)	2017

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Energy Policy Analysis, Harvard Kennedy School, Prof. Joseph Aldy	2016, 2017
Climate Change and Energy: Policymaking for the Long Term, Harvard Kennedy School Executive Education, Prof. Robert Stavins and Robert Stowe	2016
Environmental Economics, Harvard Kennedy School and Harvard College (Head Teaching Fellow), Prof. Robert Stavins	2016
Sustainable Development, Harvard College, Prof. William Clark	2015

### Policy Work and Outreach

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Keynote Panelist, “Net Zero – Market Design Failures and Opportunities,” AESO Economics Excellence Conference, Sept. 27, 2022.

ECCC and NRCan engagement, oil and gas sector greenhouse gas emissions cap, 2022. Meeting (with SPP faculty) (March 4) and follow-up [policy brief](#) (April 13).

[Policy brief](#) to ECCC (with Sarah Dobson, Kent Fellows, Alaz Munzur, and Jennifer Winter), Jan. 24, 2022. Open consultation on amendments of federal Output-Based Pricing System Regulations.

“A Multiple Account Benefit-Cost Analysis of Coal Mining in Alberta,” (with Jennifer Winter, Emily Galley, Chris Joseph, and Blake Shaffer), 2021. [Technical submission](#) to Alberta Coal Policy Committee public engagement (Sept. 2021) and *School of Public Policy Publications* [Research Paper](#) (Nov. 2021) 14(32).

[Policy brief](#) to the Government of Canada’s Department of Finance (with Blake Shaffer and Jennifer Winter), Sept. 7, 2021. Open consultation on proposed investment tax credit for carbon capture, utilization, and storage projects.

Consultation for *Canada’s Energy Future 2021*, Canada Energy Regulator, April 2021. Meeting (with University of Calgary and University of Alberta faculty).

Government of Alberta climate policy stakeholder engagement (written and meeting) (with Energy and Environmental Policy research division, SPP), April 2021.

“The Value of Timely and Detailed Electricity Data for Energy and Economic Policy Research” (with Blake Shaffer and Mallika Sharma), March 2021. Report and presentation commissioned by Natural Resources Canada.

“Climate Policy, According to Economists,” Feb 18, 2021. Presentation given to Calgary West Rotary Club.

“The Fracking Ledger,” Oct. 6, 2016. Sense & Sustainability blog.

“The Green Paradox,” April 1, 2016. Sense & Sustainability blog.

“Carbon Pledges, Part 2” Jan. 4, 2016. Sense & Sustainability blog.

“Carbon Pledges,” Dec. 21, 2015. Sense & Sustainability blog.

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## Student supervision

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MPP capstone projects	
Shannon Mahoney	2022
Ngozi Maduka, Silvia Rozario	2021

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## Service and other professional activities

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Organizer, “Electricity Research Lunch Series”, University of Calgary	2023-
AERE Scholars Program (mentee, competitive selection)	2023-2024
Referee Service: <i>American Economic Journal: Applied Economics</i> , <i>Journal of Environmental Economics and Management</i> , <i>Journal of the Association of Environmental and Resource Economists</i> , <i>Joule</i> , <i>The Energy Journal</i>	
School of Public Policy MPP selection committee	2023
Haskayne School of Business Academic Selection Committee	2023
Department of Electrical and Software Engineering Academic Selection Committees (2)	2022
Organizer, Electricity Camp in the Rockies 2022	2021-2022
School of Public Policy capstone project review, MPP program	2021
Department of Economics and Haskayne School of Business Academic Selection Committee	2021
Haskayne School of Business PhD admissions selection	2021
Harvard Kennedy School Anti-Racism in Economics alumna participant	2020-2021
Harvard Kennedy School PhD Student Association (KPSA)	
Research Committee Chair	2017-2018
Founding member	2017
Harvard Environmental Economics Lunch Administrator	2015-2017
Sense & Sustainability	
Senior Graduate Fellow	2017-2019
Graduate Fellow	2015-2017
UC Berkeley Summer School in Environmental and Energy Economics	2016
FEEM-EAERE-VUI Environmental Economics Summer School, Venice, Italy	2015

**Appendix: Acronyms**

AESO: Alberta Electric System Operator

ECCC: Environment and Climate Change Canada

LCM: Low Carbon Markets

NRCan: Natural Resources Canada

SSHRC: Social Sciences and Humanities Research Council, Canada

SPP: The School of Public Policy at the University of Calgary