

Benjamin T. Gilbert
Assistant Professor, Colorado School of Mines

CONTACT:

Division of Economics & Business
Colorado School of Mines
1500 Illinois St
Golden, CO 80401

Phone: 303-384-2359
bgilbert@mines.edu
www.bengilbertecon.com

CITIZENSHIP: United States

EDUCATION:

B.A. Economics and English Literature, Whitman College, 1999
Ph.D. Economics, University of California, San Diego, 2011
Thesis: Essays on Institutions and Innovation in Natural Resource Industries

RESEARCH FIELDS:

Primary: Environmental and Natural Resource Economics, Energy Economics
Secondary: Applied Microeconomics, Public Economics, Behavioral Economics

PROFESSIONAL EXPERIENCE:

2017- : Assistant Professor, Colorado School of Mines Division of Economics & Business
Faculty Fellow, Payne Institute for Public Policy
2011-2017: Assistant Professor, University of Wyoming Economics & Finance Department
Consulting Faculty, UW Building Energy Research Group (BERG)
2009-2011: NOAA Fisheries & Sea Grant Fellowship in Marine Resource Economics
2008-2009: Business and Corporate Development Intern, Sempra Energy
2006-2008: National Science Foundation, Integrative Graduate Education and Research Traineeship (IGERT), Fellowship in Marine Biodiversity and Conservation
2005: Research Assistant, Professor Dale Squires, NOAA Southwest Fisheries Science Center
2001-2004: Technology and Government News Reporter, Energy NewsData and The Daily Astorian

ECONOMICS PUBLICATIONS:

Shojaeddini, E., & Gilbert, B. (2022). Heterogeneity in the rebound effect: Evidence from efficient lighting subsidies. *Environmental and Resource Economics*. Accepted.

Gilbert, B., LaRiviere, J., & Novan, K. (2022). Uncertainty and additionality in energy efficiency programs. *Journal of Environmental Economics and Management*. Accepted.

Agerton, M., Gilbert, B., & Upton Jr., G. (2022). The economics of natural gas flaring and methane emissions in U.S. shale: An agenda for research and policy. *Review of Environmental Economics and Policy*. Accepted.

Gilbert, B., & Graff Zivin, J. (2020). Dynamic corrective taxes with time-varying salience. *Journal of Environmental Economics and Management*. 103: 102356

Dahl, C., Gilbert, B., & Lange, I. (2020). Mineral scarcity on earth: Are asteroids the answer? *Mineral Economics*. 33 (1): 29-42.

Gilbert, B., & Roberts, G. (2020). Drill-bit parity: Supply-side links in oil and gas markets. *Journal of the Association of Environmental and Resource Economists*. 7 (4): 619-658.

Thunstrom, L., Gilbert, B., & Jones Ritten, C. (2018). Nudges that hurt those already hurting – distributional and unintended effects of salience nudges. *Journal of Economic Behavior & Organization* 153: 267-282.

Gilbert, B., James, A., & Shogren, J. (2018). Corporate apology for environmental damage. *Journal of Risk & Uncertainty* 56 (1): 51-81

Eskander, S.M.S.U., Barbier, E., & Gilbert, B. (2018). Fishing and non-fishing income decisions: The role of human capital and family structure. *Land Economics* 94 (1): 114-136.

Beracha, E., Gilbert, B., Kjorstad, T., & Womack, K. (2016). On the relation of local amenities and house price dynamics. *Real Estate Economics*, doi:10.1111/1540-6229.12170.

Gilbert, B. & Graff Zivin, J. (2014) Dynamic salience with intermittent billing: evidence from smart electricity meters. *Journal of Economic Behavior & Organization* 107 (A): 176-190.

Gilbert, B. & Yeo, B.H. (2014) Technological change and managerial ability: evidence from a Malaysian artisanal fishery. *Land Economics* 90 (2): 352-371.

Fissel, B., Gilbert, B., & LaRiviere, J. (2013). Technology adoption and diffusion with uncertainty in a commons. *Economics Letters* 120 (2): 297-301.

OTHER REFEREED PUBLICATIONS AND CONFERENCE PROCEEDINGS:

Olawale, O.W., Gilbert, B., & Reyna, J. (2022). Residential demand flexibility: Extensive and intensive behavior models using sociodemographic predictors. *Energy and Buildings*, 111973.

Olawale, O.W., Gilbert, B., & Reyna, J. (2021). Demand response analysis for different residential personas in a comfort-driven behavioral context. In *ASME International Mechanical Engineering Congress and Exposition* (Vol 85635, pp. V08AT08A060), American Society of Mechanical Engineers.

Rea, S., Kleeman, H., Zhu, Q., Gilbert, B., & Yue, C. (2021). Crowdsourcing as a Tool for Research: Methodological, Fair, and Political Considerations. *Bulletin of Science, Technology & Society* 40 (3-4): 40-53.

Gardzelewski, J., Denzer, A., & Gilbert, B. (2017). Architecturally Integrated Photovoltaic Panels: Residential Design Methods and Consumer Preferences. In *Proceedings of the Architectural Engineering Institute 2017* (pp. 940-951), American Society of Civil Engineers.

WORKING PAPERS:

“Does electrification shield firms from productivity loss?” with Kehinde Abiodun, *revisions resubmitted to World Development: Perspectives*.

“The pain of paying with other people’s money,” with Aaron Enriquez and Linda Thunstrom, *revisions requested at Review of Behavioral Economics*.

“Pass-through in Residential Retail Electricity Competition: Evidence from Pennsylvania,” with Christina Simeone and Ian Lange, *revisions resubmitted to Utilities Policy*.

“A critical review of natural gas emissions certification,” with Sankalp Garg, Deniz Ege Boz, and James Crompton, *revisions requested at Environmental Research Letters*.

“Aggregate residential demand flexibility behavior: A novel assessment framework,” with Opeoluwa Wonuola Olawale and Janet Reyna, *under review at Sustainable Energy Technology and Assessments*.

“How good are weather shocks for identifying energy elasticities? A LASSO-IV approach to European natural gas demand”, with Merve Turan and Tulay Flamand, *under review at Energy Economics*.

“Factors affecting override behavior during demand flexibility from high resolution smart thermostat data”, with Opeoluwa Wonuola Olawale and Janet Reyna, *under review at the 2022 ACEEE Summer Study on Energy Efficiency in Buildings*

“Exploring the negotiation behaviors of owners and bystanders over data practices of smart home devices”, with Ahmed Alshehri, Eugin Pakk, Joseph Spielman, Jacob Parker, and Chuan Yue, *under review at the Network and Distributed System Symposium*.

“Leakage in regional climate policy? Implications of market design,” with Brittany Taruffelli

“Ambient pollution mechanisms with remote sensing technology: An application to the oil and gas industry,” with Mark Agerton

“Remittances and small-scale coastal fishing in a developing country,” with Ed Barbier.

“Energy efficiency, green technology, and the pain of paying,” with Dayana Zhappassova and Linda Thunstrom.

“Corporate governance, electricity restructuring, and the cost of capital for abatement technologies,” with Chenyang Xu and Klaas van ‘t Veld.

“Overlapping environmental and financial regulations: The role of corporate governance,” with Sridhar Gogineni, Klaas van ‘t Veld & Chenyang Xu.

“Monetary metal: Estimating key economic factors driving gold prices”, with Andrew Moore.

“Firm Boundaries with Impure Public Goods”

“Technology Shocks and Capital Investment in the Commons,” with Benjamin Fissel.

WORK IN PROGRESS:

“Regional employment and earnings impacts of wind development: Evidence from nearly everyone in 23 states”, with Hannah Gagarin and Ben Hoen.

“Distributional equity in the employment and wage impacts of energy transitions”, with Hannah Gagarin and Ben Hoen.

“Quantifying the role of midstream congestion and market structure in Permian flaring”, with Mark Agerton, Wesley Blundell, and Gregory B. Upton Jr.
 “Studying effective reciprocity in online labor markets”, with Shivani Mathur.
 “Oil and gas well targeting: Associated gas, wet gas, and the implications for supply and methane emissions”, with Gavin Roberts.
 “Rotary-rig parity: The drilling rate-augmented relationship between oil and gas prices”, with Gavin Roberts.
 “Is residential solar an aesthetic amenity or disamenity? Valuing preferences for architectural alternatives,” with Anthony Denzer and Jon Gardzelewski.
 “Social Image, Signaling, and Sorting: Evidence from a Discrete Choice Experiment with Solar Homes,” with Anthony Denzer and Jon Gardzelewski
 “Emotions in risk-taking and spending,” with Linda Thunstrom and George Loewenstein

TEACHING:

Graduate:

Advanced Econometrics (Ph.D.); Econometrics (M.S. and Ph.D.); Advanced Microeconomics (M.S. and Ph.D.); Time Series Econometrics (M.S. and Ph.D.); Environmental Economics (Master’s)

Undergraduate:

Mathematical Economics, Intermediate Microeconomics, Econometrics, Principles of Microeconomics

CONFERENCE AND SEMINAR PRESENTATIONS:

April 2022: Invited Seminar, University of Wyoming
Methane, flaring, and congestion in the oil and gas industry

Jan 2022: ASSA Annual Conference, Virtual
Ambient pollution mechanisms with remote sensing technology: An application to the oil & gas industry

Nov 2021: SEA Annual Conference in Houston, TX
Ambient pollution mechanisms with remote sensing technology: An application to the oil & gas industry

June 2021: AERE Virtual Summer Conference
Ambient pollution mechanisms with remote sensing technology: An application to the oil & gas industry

June 2020: WEAI Annual Conference in Denver, CO (Remote)
“Energy efficiency, green technology, and the pain of paying”

Nov 2019: USAEE Annual Conference in Denver, CO
“Oil and gas well targeting: Associated gas, wet gas, and the implications for supply and methane emissions”

May 2019: AERE Summer Conference in Lake Tahoe, NV
“Oil and gas well targeting: Associated gas, wet gas, and the implications for supply and methane emissions”

July 2018: Biennial Conference, International Institute for Fisheries Economics and Trade (IIFET), Seattle, WA
“Remittances and coastal fishing in a developing country”

June 2018: World Congress of Environmental and Resource Economics, Gothenburg, Sweden
“Drill-bit parity: Supply side links in oil and gas markets”

June 2016: AERE Summer Conference in Breckenridge, CO
“Social Image, Signaling, and Sorting: Evidence from a Discrete Choice Experiment with Solar Homes”

Oct. 2015: Colorado State University invited seminar
"Overlapping Environmental and Financial Regulations: The Role of Corporate Governance"
Resources for the Future, coauthor Jacob LaRiviere invited seminar
"Incentives and Additionality in Energy Efficiency Subsidies"
Financial Management Association annual meeting in Orlando, FL
"Overlapping Environmental and Financial Regulations: The Role of Corporate Governance" (presented by coauthor Sridhar Gogineni)

Sept. 2015: Energy Policy Research Conference in Denver, CO
"Social Image in the Residential Solar Market: Evidence from a Discrete Choice Experiment"
"Overlapping Environmental and Financial Regulations: The Role of Corporate Governance"

July 2015: InterSolar North America (industry conference), invited panelist
"Social Image in the Solar Home Market"

June 2015: UC San Diego Environmental Economics Group seminar
"Social Image in the Residential Solar Market: Evidence from a Discrete Choice Experiment"
AERE Summer Conference in San Diego, CA
"Incentives and Additionality in Energy Efficiency Subsidies"
"Overlapping Environmental and Financial Regulations: the Role of Corporate Governance" (presented by coauthor Klaas van 't Veld)

Jan. 2015: ASSA Annual Meeting, Boston, MA
"Overlapping Environmental and Financial Regulations: the Role of Corporate Governance"

Sept 2014: CU Boulder Environmental and Resource Economics Workshop
"Pigouvian Taxes with Time-Varying Salience"

May 2014: Front Range Energy Camp, CU Boulder
"Corporate Governance and Emissions"

Jan. 2014: ASSA Annual Meeting, Philadelphia, PA
"Pigouvian Taxes with Intermittent Billing and Habits"

July 2013: University of Tennessee Workshop on Causal Identification in Environmental and Energy Economics
"Dynamic Salience and Intermittent Price Signals"

June 2013: WEAI Annual Conference in Seattle, WA
"Organizational Apology and Compensation Demanded for Public Goods Damage"
"Evidence of Habit Formation in Residential Electricity Consumption"

May 2013: North American Association of Fisheries Economists Forum, St. Pete Beach, FL
"Organizational Apology and Compensation Demanded for Public Goods Damage"
"Perceived Occupational Mobility Among Artisanal Fishers"
"Conspicuous Consumption of Charismatic Species"
Front Range Energy Camp, CU Boulder
"The Four Horsemen of Household Electricity Demand: Insalient Prices, Habit Formation, Durable Goods, and Pollution"

Nov. 2012: Colorado School of Mines, invited seminar
"Dynamic Salience and Intermittent Price Signals"

June 2012: AERE Summer Conference in Asheville, NC and WEAI Annual Conference in San Francisco, CA
"Consumer Behavior with Intermittent Cost Signals: Evidence from Smart Meters"

Sept 2010: CU Boulder Environmental and Resource Economics Workshop
"What can existing smart meter data reveal about energy efficiency opportunities?"

- July 2010: Biennial Conference, International Institute for Fisheries Economics and Trade (IIFET), Montpellier, France, July 2010
"Economic Efficiency and Sector Allocations in the New England Groundfish Fishery"
"Measuring Technological Change in Artisanal Fisheries: Evidence from Malaysia"
- Sept 2009: CU Boulder Environmental and Resource Economics Workshop
"Firm boundaries and environmental performance"
- June 2008: Workshop on Technical Change in Renewable Resources, Denmark
"Measuring Technological Change in Artisanal Fisheries: Evidence from Malaysia"
"Exogenous Productivity Shocks and Capital Investment in Common-pool Resources"

CONTRACTS AND GRANTS:

- Lawrence Berkeley National Laboratory. *Household- and Establishment-level Economic Impacts of Wind Development*. PI. Funded at \$152,464.
- NSF Convergence Accelerator. *Back on the F.E.E.T.: Towards Fair, Ethical, Efficient, and Trustworthy Crowdsourcing Platforms to Support Crowdworkers in Jobs of the Future*. Co-PI. Funded at \$999,950.
- Alfred P. Sloan Foundation. *Colorado Technology Primer for Economists and Social Scientists*. Co-PI. Funded at \$277,334.
- University of Wyoming Competitive Energy GA grant. *Incentives and Additionality in Energy Efficiency Subsidies*, funded.
- University of Wyoming Center for Energy Economics and Public Policy. *Aesthetic, Financial, and Behavioral Barriers to Net-Zero Energy and Solar Home Demand*. Funded at \$95,000.
- University of Wyoming College of Business Sustainable Business Practices Initiative. *Pollution Emissions and Corporate Governance*. Funded at \$2000.
- University of Wyoming Competitive Energy GA grant. *Corporate Governance, Environmental Compliance, and Investor Returns in the Energy Sector*, with Klaas van 't Veld, funded.

PROFESSIONAL ACTIVITIES & SERVICE:

Professional Memberships: AEA, AERE, IIFET, WEAI, UCSD Center for Environmental Economics, CMBC at SIO

Referee: Review of Economics & Statistics, American Economic Journal: Economic Policy, European Economic Review, Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Journal of Economic Behavior and Organization, Economic Inquiry, Resource and Energy Economics, Energy Journal, Energy Economics, Environmental & Resource Economics, Energy Policy, Land Economics, Economics Bulletin, Resources Conservation & Recycling, Journal of Cleaner Production, Environmental Science & Technology, Marine Resource Economics, Natural Resource Modeling, Canadian Journal of Agricultural Economics, Energy Strategy Reviews, Rhode Island Sea Grant, Association of Environmental and Resource Economists Conference 2015 & 2016, Agricultural and Applied Economics Association Meetings 2014.

Participant: Ecotrust Panel on Community Impacts of Fisheries Catch Shares, May 2010

Research Advisory Panel: San Diego Gas & Electric Plug-in Electric Vehicle Study, 2009

Committee Member: IGERT Steering Committee for CMBC at SIO, 2008 – 2009

Colorado School of Mines Service:

Division of Economics & Business Seminar Series Organizer

Ph.D. Qualifying Exam Committee

Mineral and Energy Economics program committee

Campus Building Advisory Committee

University of Wyoming Departmental Service:

Economics & Finance Department Seminar Series Organizer 2012-2015, 2016-2017

Economics Undergraduate Program Review Committee 2016-2017

Economics Ph.D. Program Review Committee 2015-2016

Graduate Student Research Group Faculty Advisor 2012-2014

Graduate Student Admissions Committee 2013

Econometrics Comprehensive Ph.D. Exam Committee: 2013-present

Microeconomics Comprehensive Ph.D. Exam Committee: 2012

GRADUATE SUPERVISION

Colorado School of Mines

- Economics Ph.D. Chair: Hannah Gagarin (exp. 2022), Shivani Mathur (exp. 2022), Sayeh Shojaeinia (exp. 2023), Ensieh Shojaeddini (2019 – U.S. EPA), Steve Dahlke (2019 – U.S. DOE and FirstSolar, Colorado PUC).
- Advanced Energy Systems Ph.D. Chair: Opeoluwa Wonuola Olawale (exp. 2022).
- Economics Ph.D. Committees: Kehinde Abiodun (exp. 2022), Merve Olmez Turan (exp. 2022), Jusse Hirwa (exp. 2022), Yuzhou Shen (exp. 2022), Emilio Castillo (2021), Jon Becker (2020 – National Renewable Energy Laboratory), Haeyeon Kim (2019 – U.S. Geological Survey), Tsisilile Igogo (2019 – National Renewable Energy Laboratory).
- Computer Science Ph.D. Committees: Ahmed Alshehri (exp. 2022)

University of Wyoming

- Economics Ph.D. Co-chair: Gavin Roberts (2017 – Weber State University)
- Economics Ph.D. Committees: Brittany Tarufelli (2019 – Louisiana State University), Rik Chakraborti (2017 – Christopher Newport University), Chenyang Xu (2016 – Drew University), Yasha Feferholtz (2016 – EcoHealth Alliance), Greg Torrell (2016 – Texas A&M University, El Paso), Shaikh Eskander (2015 – Kingston University London), Jacob Hochard (2015 – East Carolina University), Anteneh Tesfaw (2014 – Conservation International)
- M.S. Econ Committees: Gabrielle Horvath (chair, 2015), Tyler Kjorstad (2014), Tom Creighton (2014)
- M.S. Civil & Architectural Engineering Committees: Matthew Schneider (2016), Todd Anderson (2016)
- M.S. Psychology Committees: Adam Ripley (2016)

University of California, San Diego

- Masters of Advanced Studies in Marine Conservation Committees
Megan Bettilyon (2010), Anne Grant (2008).

HONORS AND AWARDS

2021	Mineral and Energy Economics Excellence in Teaching Award, Colorado School of Mines Economics & Business Division
2020	Mineral and Energy Economics Excellence in Teaching Award, Colorado School of Mines Economics & Business Division
2019	Mineral and Energy Economics Excellence in Teaching Award, Colorado School of Mines Economics & Business Division
2018	Mineral and Energy Economics Excellence in Teaching Award, Colorado School of Mines Economics & Business Division
2017	Faculty Service Award: UW College of Business
2016	Tom & Judy Crocker Junior Faculty Research Award for “Pigouvian taxes with time-varying salience,” with Joshua Graff Zivin

	Junior Faculty Teaching Award: UW College of Business
2015	Tom & Judy Crocker Junior Faculty Research Award for “Overlapping Environmental and Financial Regulations: The Role of Corporate Governance,” with Sridhar Gogineni, Klaas van ‘t Veld & Chenyang Xu.
	Best Practitioner Paper Award, American Real Estate Society (ARES) conference for “On the relation of local amenities and house price dynamics,” with Eli Beracha, Tyler Kjorstad, and Kiplan Womack
2014	(Nominated) UW College of Business Junior Faculty Research Award
2013	(Nominated) UW College of Business Junior Faculty Teaching Award
2010	Clive Granger Research Prize, UCSD Environmental Economics Group
2002	2nd Place, Enterprise Reporting, Oregon Newspaper Publishers Awards (ONPA)
2001	1st Place, Northwest Society of Professional Journalists; 3rd Place, ONPA