Curriculum Vitae November 9, 2024

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FIELDS OF INTEREST

Research: Resource and Environmental Economics, Industrial Organization, Game Theory, Economics of Uncertainty and Information;

Teaching: Game Theory, Dynamic Optimization, Oil & Gas Economics, Resource and

Environmental Economics, Industrial Organization, Econometrics

EDUCATION

6/83 Ph.D., University of California, Berkeley; Dissertation: "Regulation and

Information in the U.S. Uranium Industry"

9/77-6/79 Flood Fellowship, Univ. of California, Berkeley

6/77 Double A.B. in Economics and Mathematics with honor, University of California,

Berkeley

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Editor-in-Chief Economics of Energy & Environmental Policy (2021-)

Co-Editor *Economic Inquiry* (2015-2022)

Associate Editor European Economic Review (2012-23)

Joint Editor-in-Chief Strategic Behavior and the Environment (2012-)

Editor, special issue Journal of Economic Behavior and Organization (2015-2016)

Co-Editor Journal of the Association of Environmental and Resource Economists (2014-

2016)

Joint Interim Journal of the Association of Environmental and Resource Economists

Managing Editor: (2013)

Editor, special issue Resource and Energy Economics (2013; issue appeared Jan. 2014)

Managing Editor: (2006-2011)

Co-Editor: Journal of Environmental Economics and Management (2001-2006)
Associate Editor: Journal of Environmental Economics and Management (1999-2000)

Associate Editor: Social Science Journal (1988-1992) Editorial Board: Challenges in Sustainability (2012-)

Journal of Environmental Economics and Management (1992-1993; 2011-)

TEACHING AND RESEARCH EXPERIENCE

8/07-	H. A. "Dave" True Chair in Petroleum & Natural Gas Economics, University of Wyoming
8/17-7/21 7/17-8/17,	Associate Dean (Research), College of Business, University of Wyoming
5/18-8/18	Acting Dean, College of Business, University of Wyoming
1/14-12/15	Visiting Professor, London School of Economics, Grantham Institute
1/14-	Visiting Academic, University of Southern Denmark
12/13-	University Fellow, Resources for the Future
12/13	Visiting Researcher, Center for Economic Studies, Faculty of Economics of
	Ludwig-Maximilians-Universität Munich
6/13	Visiting Scholar, Toulouse School of Economics
3/13-5/13	Visiting Scholar, Fondazione Eni Enrico Mattei – Venice
1/13-2/13	Visiting Academic, Energy and Environmental Economics, Bren School of the
	Environment, University of California-Santa Barbara
9/12-12/12	Visiting Academic Fellow, Mansfield College, University of Oxford
6/11-	External Research Associate, Oxford Centre for the Analysis of Resource Rich
	Economies, University of Oxford
9/08-11/08	Visiting Research Fellow, Smith School of Enterprise and the Environment,
	University of Oxford
9/08-11/08	Visiting Academic, Nuffield College, University of Oxford
1/05-	Life Fellow, Clare Hall, Cambridge University
1/05-6/05	Visiting Professor, Agricultural and Resource Economics, University of
	California-Davis
9/04-11/04	Visiting Fellow, Clare Hall, Cambridge University
9/99-10/00	Director of Graduate Studies, University of Wyoming
6/97-7/97	Visiting Scholar, Centre for Resource and Environmental Studies, Australian
	National University
1/97-5/97	Visiting Professor, Economics, University of Waikato
8/96-12/96	Visiting Professor, Graduate School of Economics, Oregon State University
5/94-7/07	Professor, Economics, University of Wyoming
11/94	Mortar Board 'Top Prof,' University of Wyoming
1/90-6/90	Visiting Scholar, Economics, University of Michigan
7/88-5/94	Associate Professor, Economics, University of Wyoming
8/82-6/88	Assistant Professor, Economics, University of Wyoming
1/79-6/82	Graduate Teaching Assistant, Economics, University of California, Berkeley
1/81-1/82	Economist, Cambridge Systematics Incorporated
6/78-12/78	Research Assistant, Electric Power Research Institute

Journal Articles

Mason, Charles F., "Public Policy Towards Offshore Oil Projects: Confronting Potential Deepwater Oil Spills," forthcoming *Journal of Environmental Management* 2024.

Leach, Andrew and Charles F. Mason, "Nonrenewable Resources, Reserves and Carbon Pricing," forthcoming *Annals of Economics and Statistics* 2024.

Mason, Charles F. and Neil Wilmot, "On Climate Fat Tails and Politics," *Resources Policy* 2024, v. 92, article 105006.

Mason, Charles F., "Do Small Players Undermine Cooperation in Asymmetric Games?," *Dynamic Games and Applications* 2024, v14, 133-156.

Mason, Charles F., "How Should We Think About Pricing Electricity in the Context of Potential Life-Threatening Weather Events?," *Economics of Energy and Environmental Policy* 2023, v12(2).

Gamper-Rabindran, Shanti and Charles F. Mason, "Issues in The Future of Ground Transportation," *Economics of Energy and Environmental Policy* 2023, v12(2).

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Mason, Charles F. and Neil Wilmot, "Energy Price Jumps, Fat Tails and Climate Policy," *Environmental Modeling & Assessment*, 2022, v. 27, 993-1005.

Mason, Charles F., "Cooperation in Dynamic Games with Asymmetric Players and Equity Concerns," *Dynamic Games and Applications*, 2022, v. 12, 977-995.

Mason, Charles F., "Transboundary Externalities and Reciprocal Taxes: A Differential Game Approach," *Strategic Behavior and the Environment*, 2021, v. 9, 27-67.

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Mason, Charles F. and Neil Wilmot, "Jumps in the Convenience Yield of Crude Oil?", *Resource and Energy Economics*, 2020, v. 60, Article 101163.

Mason, Charles F., "Regulating Offshore Oil and Gas Exploration: Insights from the Deepwater Horizon Experience in the Gulf of Mexico," *Review of Environmental Economics and Policy*, 2019 v. 13, pp. 149 - 154.

Mason, Charles F., "A Comparison of the Risk of Transporting Crude Oil: Rail vs. Pipeline," *IAEE Energy Forum* 2018, pp. 5-7.

Mason, Charles F. and Gavin Roberts, "Price Elasticity of Supply and Productivity: An Analysis of Natural Gas Wells in Wyoming," *Energy Journal*, 2018 v. 39(SI1) pp. 79-100.

Heyes, Anthony, Andrew J. Leach and Charles F. Mason, "The Economics of Oil Sands." *Review of Environmental Economics and Policy*, 2018 v. 12, pp. 242-263.

Oliver, Matt and Charles F. Mason, "Natural Gas Pipeline Regulation in the United States: Past, Present and Future" *Foundations and Trends in Microeconomics*, 2018 v. 11, pp. 227-289.

Mason, Charles F., Victoria Umanskaya and Edward Barbier, "Trade, Transboundary Pollution, and Foreign Lobbying," *Environmental and Resource Economics*, 2018 v. 70, 223-248.

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Mason, Charles F., Stephen Polasky and Nori Tarui, "Cooperation on Climate-Change Mitigation," *European Economic Review*, 2017 v. 99, pp. 43-55.

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Mason, Charles F. and Remi Morin-Chasse, "An Economic Simulation of the Path to Sustainable Energy: A Dynamic Analysis," *Challenges in Sustainability*, 2017 v. 5, pp. 1-10.

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Mason, Charles F. and Owen R. Phillips, "Imminent Entry and the Transition to Multimarket Rivalry: Messy Markets in a Laboratory Setting," *Journal of Economics & Management Strategy* 2016 v. 25, pp. 1018-1039.

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Mason, Charles F., 1987, "Predation by Noisy Advertising," *Review of Industrial Organization*, pp. 78 - 93.

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Mason, Charles F., 1985, "On Scale Economies and Exhaustible Resource Markets," *Review of Industrial Organization*, pp. 144 - 159.

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Work in Progress

Wood, Aaron, Charles F. Mason and David Finnoff, "The Development of OPEC: An Evolutionary Game Theory and Agent-Based Modeling Approach," revised and resubmitted to *Springer Nature Business & Economics* 9/24.

Fitzgerald, Timothy and Charles F. Mason, "Whose Frac is It, Anyway? Using Sources of Productivity Gains to Explain Industrial Organization in Oilfield Services," submitted to the *Energy Journal*; revisions requested.

Olmstead, Sheila M., Benjamin D. Leibowicz, Charles F. Mason, Andrew R. Waxman and H. R. Huber-Rodriguez, "Ambiguous climate policy: A tax credit will increase the use of carbon capture technology, but will it reduce CO2 emissions?", submitted to *Proceedings of the National Academy of Sciences*.

Cochran, Alivia and Charles F. Mason, "Firm's Optimal Decision to Invest in a Wind Farm Using an Investment Under Uncertainty Framework," 8/24.

Mason, Charles F., "Why do Firms Hold Oil Stockpiles?" 7/24.

Mason, Charles F. and Remi, Morin-Chasse, "The Transition to Renewable Energy," 4/24.

Mason, Charles F., Luca Taschini and Neil Wilmot, "Jumping Beans: Implications of Fat Tails in International Soybean Markets," 10/24.

Mason, Charles F. and Neil Wilmot, "Volatility in Solar Renewable Energy Certificates: Jumps and Fat Tails," 1/24.

Mason, Charles F., "On the Interaction of Eco-Labeling and Trade," 5/23.

Mason, Charles F. and Daniel J. Pastor, "Investigating the Effects of the Federal Lease Ban: An Analysis Based on Oil Well Drilling in New Mexico and Texas," 6/22.

Marks, Levi, Charles F. Mason and Matthew Zaragoza-Watkins, "Raising Rivals' Costs: Vertical Market Power in Natural Gas Pipelines and Wholesale Electricity Markets," 5/22.

Mason, Charles F., "Climate Cooperation in Dynamic Games with Asymmetric Players: The Role of Social Preferences," 12/21.

Mason, Charles F. and Neil Wilmot, "On Climate Jumps and Fat Tails," 3/21.

Mason, Charles F. and Neil Wilmot, "Energy Price Jumps, Fat Tails and Investment Policy," 3/21.

Mason, Charles F., "Optimal Contracts for Sequestration with Heterogeneous Risk Averse Agents," 3/21.

Mason, Charles F., "Analyzing the Risk of Transporting Crude Oil by Rail," 1/21.

Mason, Charles F., "An Experimental Analysis of the Complications in Colluding when Firms are Asymmetric," 12/20.

Mason, Charles F., "Collusion or Oil-lusion? East Texas in the Age of Giant Oil Fields," 12/18.

Morin-Chasse, Remi and Charles F. Mason, "On Environmental Accidents with a Judgment-Proof Firm," 5/18.

Refereed Chapters in Books and Monographs

Wilmot, Neil and Charles F. Mason, "Jumps in Energy Commodity Markets," <u>Handbook</u> of Energy Finance: Theories, Practices and Simulations, 2019.

Oliver, Matt and Charles F. Mason, "An overview of interstate gas pipeline regulation in the United States," in: <u>Progress in Economics Research</u>, Vol. 39, NOVA Publishers, 2017, p. 91-118.

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Burgess, Jo, Chis J. Kennedy and Charles F. Mason, "On the Potential for Speculation to Threaten Biodiversity Loss," in: <u>Nature in the Balance: The Economics of Biodiversity</u>, Oxford University Press, 2013.

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Other

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Stephen P. A. Brown, Charles F. Mason, Alan Krupnick and Jan Mares, 2014, "Crude Behavior: How Lifting the Oil Export Ban Reduces Gasoline Prices in the US," Resource for the Future Issue Brief 14-03-REV.

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Dag Nummedal, Brian Towler, Charles Mason and Myron Allen, 2003, "Enhanced Oil Recovery in Wyoming: Prospects and Challenges," University of Wyoming White Paper (prepared for Governor Dave Freudenthal).

GRANTS

Funded Projects as PI

"Co-Optimization of Enhanced Oil Recovery and Carbon Sequestration," UW School of Energy Resources; 9/07-5/08. Funding for a graduate student.

"On the Economics of Eco-Labeling," NSF grant # SES-0214160, \$54,334; 8/02 – 7/03.

"A Competitive Assessment of the Market for Alaskan Forest Products," USDA, \$25,907; 10/00 - 6/01.

"Incorporating Uncertainty into an Assessment of Global Climate Change," COB 1995 Summer grant, \$5,000.

"An Experimental Analysis of Entry Deterrence," COB 1994 Summer grant, \$4,000.

"Observing Trigger Strategies in Two-Person Experimental Games," COB 1993 Summer grant, \$4,000.

"Mitigating the Tragedy of the Commons Through Cooperation: An Experimental Evaluation," COB 1992 Summer grant, \$4,000.

"Raising Rivals' Costs: An Experimental Evaluation," COB 1991 Summer grant, \$4,200.

Additional C&I grants in summers of 1983 - 1990

Funded Projects as CoPI

2021 – 2023 "The Economics of Scaling Carbon Capture, Utilization and Storage (CCUS)", Sloan Foundation, with Benjamin Leibowicz, Sheila Olmstead and Andrew Waxman; \$849,991.

2006 – 2009 "Big Sky Regional Carbon Sequestration Partnership, Phase 2," Department of Energy, Fossil Energy Research and Development Program, with S. M. Capalbo, J. M. Antle, Andrew Plantinga and Klaas van 't Veld, \$14,292,087.

2004 – 2006 "State Appropriation to the Enhanced Oil Recovery Institute for EOR in Wyoming," with O. R. Phillips and Klaas van 't Veld, State of Wyoming, \$263,000.

1990 - 1991 "Collusion in Multi-Market Rivalry," with O. R. Phillips, NSF/EPSCoR, \$51,500.

RECENT CONSULTING

Expert Witness, New York File No. 1960-1623/B, JPMorgan Chase Bank, N.A. vs. Lucy Waletzky.

Expert Witness, Civil Action No. 104881-C, Kim v. Casper Medical Center et al.

Expert Witness, case # MDL 2179, U.S., et al. v. BP Exploration & Production Inc; Anadarko Exploration & Production LP, et al. (OIL SPILL BY THE OIL RIG "DEEPWATER HORIZON" IN THE GULF OF MEXICO, ON APRIL 20, 2010)

Referee: American Economic Review, American Economic Journal: Economic Policy, American Journal of Agricultural Economics, Journal of Agricultural & Food Industrial Organization, B.E. Journals in Economic Analysis & Policy, Canadian Journal of Economics, Contemporary Economic Policy, Defence Economics, Ecological Economics, Econometrica, Economica, Economic Analysis and Policy, Economic Inquiry Economics Bulletin, Energy Journal, Environmental and Resource Economics, Environmental Modeling & Assessment, Experimental Economics, Food Policy, Forest Science, Growth and Change, International Economic Review, International Journal of Agricultural Resources Governance and Ecology, International Journal of Game Theory, Journal of Business Economics, Journal of Economic Behavior and Organization, Journal of Economic Dynamics and Control, Journal of Economics and Business, Journal of Environmental Economics and Management, Journal of Economics & Management Strategy, Journal of Environmental Management, Journal of Law, Economics and Organization, Journal of Optimization Theory and Applications, Journal of Political Economy, Journal of Public Economics, Journal of Regulatory Economics, Land Use Policy, Management Science, Marine Resource Economics, Nature - Culture, Oxford Economic Papers, PLOS Climate, RAND Journal of Economics, Resources and Energy, Resource and Energy Economics, Review of Economics and Statistics, Review of Industrial Organization, Scandinavian Journal of Economics, Science, The Social Science Journal, Southern Economic Journal, Water Resources Research, Zeitschrift für Nationalökonomie, National Science Foundation, Social Sciences and Humanities Research Council of Canada.

Mortar Board "Top Prof", 1994.

References available on request