**HANNAH J. WISEMAN**

Penn State University – University Park

Lewis Katz Building, University Park, PA 16802

hwiseman@psu.edu

**EDUCATION**

**Yale Law School**, J.D., 2007

* Israel H. Peres Prize, best student note or comment appearing in the *Yale Law Journal*, 2007

**Dartmouth College**, A.B. with High Honors, 2002, double major in Comparative Government and Environmental Studies

* *Summa cum laude*, Phi Beta Kappa honor society, Grace and James Parkes 1920 Prize, Ranny B. Cardozo Award

**AREAS OF ACADEMIC FOCUS**

Energy Law and Policy, Oil and Gas Law, Renewable Energy Law, Land Use Regulation, Environmental Law, Property Law

**Teaching and Research EXPERIENCE**

**Penn State University**, University Park, PA

*Professor of Law; Professor and Wilson Faculty Fellow in the College of Earth and Mineral Sciences;  
Co-funded Faculty*, *Institutes of Energy and the Environment,* July 2020-present

**Penn State Center for Energy Law and Policy** Co-Director, October 2021-present

**Florida State University College of Law**, Tallahassee, FL *Attorneys’ Title Professor*

*Full Professor*, Aug. 2019-May 2020; *Associate Professor*, Nov. 2014-July 2019; *Assistant Professor*, Jan. 2012-Oct. 2014

**University of Pennsylvania, Kleinman Center for Energy Policy**, Philadelphia, PA

*Visiting Scholar* (virtual due to COVID-19), March 13-17, 2020

**University of Tulsa College of Law**, Tulsa, OK *Assistant Professor*, Aug. 2010-Dec. 2011

**University of Pittsburgh School of Law**, Pittsburgh, PA

*Short-course professor (The Law of Shale Gas)*,Aug. 2011

**Lewis & Clark Law School**, Portland, OR

*Short-course professor (Solar and Wind Energy Development)*,June 2011

**University of Texas School of Law**,Austin, TX*Visiting Assistant Professor*,Aug. 2008–June 2010

**LAW JOURNAL ARTICLES, ESSAYS, AND NOTES**

*Grid Reliability Through Clean Energy*, 74 Stan. L. Rev. 969 (2022) (with Alexandra Klass, Joshua Macey, and Shelley Welton)

*Regional Cooperative Federalism and the U.S. Electric Grid*, 90 Geo. Wash. L. Rev. 147 (2021-2022)

*Taxing Local Energy Externalities*, 96 Notre Dame L. Rev.563 (2020)

*Coequal Federalism and Federal-State Agencies*, 55 Ga. L. Rev. 287 (2020) (with Dave Owen)

*Federalism for the Worst Case*, 105 Iowa L. Rev. 101 (2020) (with David Landau and Samuel R. Wiseman)

*Rethinking Municipal Corporate Rights*, 61 B.C. L. Rev. 591 (2020)

*Fracking as a Test of the Demsetz Property Rights Thesis*, 71 Hastings L.J. 845 (2020) (with David Dana)

*Food Labeling and the Environment*, 34 J. Envtl. L. & Litigation 1 (2019) (with Samuel R. Wiseman)

*Federal Laboratories of Democracy*, 52 U.C. Davis L. Rev. 1119 (2018) (with Dave Owen)

*Constrained Regulatory Exit in Energy Law*, 67 Duke L.J. 1687 (2018, symposium contribution) (with Jim Rossi)

*Delegation and Dysfunction*, 35 Yale J. on Reg. 233 (2018)

*Expanding the Boundaries of Administrative Constitutionalism: Understanding and Assessing Agencies’ Experimentation with Procedures,* 32 J. Land Use & Envtl. L. 543 (2017, invited symposium contribution)

*Negotiated Rulemaking and New Risks: A Rail Safety Case Study*, 7 Wake Forest J. L. & Pol. 207 (2017, invited symposium contribution)

*Disaggregating Preemption in Energy Law*,40 Harv. Envtl. L. Rev. 293 (2016)

*Regional Energy Governance and U.S. Carbon Emissions*, 43 Ecology L. Q. 143 (2016) (with Hari M. Osofsky)

*The Fracking Revolution: Shale Gas As A Case Study in Innovation Policy*, 64 Emory L.J. 955 (2015) (with John M. Golden)

*Coordinating the Oil and Gas Commons*, 2014 B.Y.U. L. Rev. 1543 (invited symposium contribution)

*Regulatory Islands*, 89 N.Y.U. L. Rev. 1661 (2014)

*A Market Approach to Regulating the Energy Revolution: Assurance Bonds, Insurance, and the Certain and Uncertain Risks of Hydraulic Fracturing*, 99 Iowa L. Rev. 1523 (2014) (with David A. Dana)

*Remedying Regulatory Diseconomies of Scale*,94B.U. L. Rev. 235 (2014)

*Hybrid Energy Governance*, 2014 U. Ill. L. Rev. 1 (with Hari M. Osofsky)

*Urban Energy*, 40 Fordham Urb. L. J. 1793 (2013, invited symposium contribution)

*Dynamic Energy Federalism*, 72 Md. L. Rev.773 (2013) (with Hari M. Osofsky)

*Risk and Response in Fracturing Policy*, 84 U. Colo. L. Rev. 729 (2013)

*Community-Scale Renewable Energy*, 4 San Diego J. Climate & Energy Law 165 (2012-13, invited symposium contribution) (with Sara C. Bronin)

*The Renter/Owner Divide in Private Governance*, 2012 Utah L. Rev. 2067 (2012)

*Fracturing Regulation Applied*, 22 Duke Envtl. Law & Policy Forum 361 (2012, invited symposium contribution)

*Expanding Regional Renewable Governance*, 35 Harv. Envtl. L. Rev. 477 (2011)

*Formulating a Law of Sustainable Energy: The Renewables Component*, 28 Pace Envtl. L. Rev. 827 (2011) (invited symposium contribution, with E. Nichole Saunders & Lindsay Grisamer)

*Local Energy*, 60 Emory L.J. 877 (2011) (with Garrick Pursley)

*Regulatory Adaptation in Fractured Appalachia*, 21 Vill. Envtl. L.J. 229 (2010, invited symposium contribution)

*Public Communities, Private Rules*, 98 Geo. L.J. 697 (2010)

*Untested Waters: The Rise of Hydraulic Fracturing in Oil and Gas Production and the Need to Revisit Regulation*, 20 Fordham Envtl. L. Rev. 115 (2009)

*Pro Bono Publico: The Growing Need for Expert Aid*, 60 S.C. L. Rev. 493 (2008) (award-winning Warren E. Burger essay)

*Notice and Expectation Under Bounded Uncertainty: Defining Evolving Property Rights Boundaries Through the Public Trust and Takings*, 21 Tulane Envtl. L.J. 233 (2008)

Note, *Searching for Balance in the Aftermath of the 2006 Takings Initiatives*, 116 Yale L.J. 1518 (2007) (reprinted in Thomson West, Zoning and Planning Law Handbook (2008))

**ONLINE SCHOLARLY PUBLICATIONS**

*Localizing the Green Energy Revolution*, 70 Emory L.J. Online 59 (2021)

*Federalism, Democracy, and the 2020 Election*, 99 Tex. L. Rev. Online 96 (2021) (with David Landau and Samuel R. Wiseman)

*The New Oil and Gas Governance,* 129 Yale L.J. Forum51(2020) (with Tara Righetti and James Coleman)

*Hydraulic Fracturing and Legal Frameworks*, Oxford Handbooks Online (Apr. 2017), http://www.oxfordhandbooks.com/view/10.1093/oxfordhb/9780199935352.001.0001/oxfordhb-9780199935352-e-32

*Regulatory Triage in a Volatile Political Era*,117Colum. L. Rev. Online240(2017)

*Clean Energy Incentives: Risk, Capture, and Federalism*, 67 Fla. L. Rev. Forum 161 (2016) (invited online article response)

*Moving Past Dual Federalism to Achieve Electric Grid Neutrality*, 100 Iowa L. Rev. Bull. 97 (2015) (invited online article response)

*Governing Fracking from the Ground Up*, 93 Tex. L. Rev. See Also 29 (2015) (invited online article response)

*Hydraulic Fracturing and Information Forcing*, 74 Ohio St. L. J. Furthermore 86 (2013)

*The Private Role in Public Fracturing Disclosure and Regulation*, 3 Harv. Business L. Rev. Online 49 (2013) (invited contribution to “The Expansion of Shale and Fracking in the U.S. Energy Market and Current Developments in Business Law”)

*Trade Secrets, Disclosure, and Dissent in a Fracturing Energy Revolution*, 111 Colum. L. Rev. Sidebar 1 (2011)

*Partial Regulatory Takings: Stifling Community Participation Under the Guise of* Kelo *Reform*, 117 Yale L.J. Pocket Part 61 (2007)

**BOOKS AND TEXTBOOKS**

Handbook of Energy Law in the Low-Carbon transition (forthcoming 2023) (editor with Giuseppe Bellantuano, Lee Godden, Hanri Mostert, and Hao Zhang)

Cases and Text on Property, Eighth Edition (Aspen forthcoming 2023) (with Susan French, Gerald Korngold, and Nadav Shoked)

Energy, Economics, and the Environment:  Cases and Materials, Fifth Edition (Foundation Press 2020) (with Joel B. Eisen, Emily Hammond, Jim Rossi, and David B. Spence)

Hydraulic Fracturing: A Guide to Environmental and Real Property Legal Issues (American Bar Association 2016) (with Keith Hall)

Energy Law Concepts & Insights (Foundation Press 2016) (with Alexandra B. Klass)

**BOOK CHAPTERS**

*Electricity Regulation, Markets, and Governance* (with Jim Rossi), *in* Global Climate Change and U.S. Law (Michael B. Gerrard and Jody Freeman, eds.) (2022)

*The Shale Gas Revolution—The U.S. Perspective*, *in* Research Handbook of Oil and Gas Law (Tina Hunter, ed.) (2022)

*Shale Gas Development, Economic Impacts, and Regulation*, *in* The Routledge Handbook of Energy Law (Tina Hunter et al., eds.) (2020)

*Stationary Sources, Movable Rules: Intransigence and Innovation under the Clean Air Act*, *in* Lessons from the Clean Air Act: Building Durability and Flexibility into Long-Term Energy Policy (Dallas Burtraw & Ann Carlson, eds.) (Cambridge University Press 2019)

*Evolving Energy Federalism: Current Authority Allocations and the Need for Inclusive Governance*, *in* The Law and Policy of Environmental Federalism: A Comparative Analysis (Kalyani Robbins, ed.) (Edward Elgar Publishing 2015)

*The Environmental Risks of Shale Gas Development and Emerging Regulatory Responses: A U.S. Perspective*, *in* Handbook of Shale Gas Law and Policy (Tina Hunter, ed.) (Intersentia 2016)

**PEER REVIEWED PUBLICATIONS**

*Unconventional Oil and Gas Spills: Risks, Mitigation Priorities, and State Reporting Requirements*, 51 Envtl. Sci. & Tech. 2563 (2017) (with Lauren A. Patterson et al.)

*Unconventional Oil and Gas spills: Materials, Volumes, and Risks to Surface Waters in Four States of the U.S.*, 581-582 Sci. Total Env’t 369 (2017) (with Kelly Maloney et al.)

*The Capacity of States to Govern Shale Gas Development Risks*, 48 Envtl. Sci. & Tech. 8376, issue 15 (2014)

**OTHER PUBLICATIONS**

*Pipelines, Communities, and the Environment: The Growing Complexities of Siting*, Trends (May/June 2020)

*Hydraulic Fracturing: Contracts, Courts, and Compromise*,GPSolo(May/June 2016)

*BLM Regulation of Hydraulic Fracturing on Federal Lands*, Trends (September/October 2015)

*Regulatory Risks in Tight Oil and Gas Development*, Natural Gas & Electricity 29/5 (2013), Wiley Periodicals

*Beyond* Coastal Oil v. Garza*:* *Nuisance and Trespass in Hydraulic Fracturing Litigation*, 57 The Advocate 1, 8 (2011) (State Bar of Texas Litigation Section Report, Energy Law Litigation)

*Evolving Regulation in the New Energy “Boomstates*,*”* Admin. & Reg. L. News (2010) (invited short version of *Regulatory Adaptation in Fractured Appalachia*)

*Public Communities, Private Rules*, Legal Workshop (2010), http://legalworkshop.org/2010/03/24/public-communities-private-rules (short essay version)

*Getting From Here to There: Push to Increase Renewable Energy Capacity and Transmit Power Means Work for Lawyers*, Texas Lawyer, Nov. 23, 2009

*Trust and Communications: Mechanisms for Increasing Farmers’ Participation in Water Quality Trading*, 81 Land Econ. 170 (May 2005) (with Hanna Breetz, Karen Fisher-Vanden, and Claire Schary)

**REPORTS and White Papers**

Balancing Renewable Energy Goals with Community Interests, Kleinman Center for Energy Policy, Policy Digest (May 2020), https://kleinmanenergy.upenn.edu/sites/default/files/policydigest/KCEP-Balancing-Renewable-Energy-Singles.pdf

Transitioning to a Lower-Carbon Energy Future: Challenges and Opportunities for Municipal Utilities and Electric Cooperatives(2018) (with Heather Payne, Jonas Monast, and Nicolas Eason)

The State of State Shale Gas Regulation (2013), http://www.rff.org/rff/documents/RFF-Rpt-StateofStateRegs\_Report.pdf (Resources for the Future report, with Nathan Richardson, Madeline Gottlieb, and Alan Krupnick)

U.S. Regulation of Unconventional Oil and Gas Development: Progress and Challenges, *in* A New Golden Era? Unconventional Oil and Gas Regulation in the U.S.: Implications for Korea (J. James Kim, ed., The Asan Institute for Policy Studies, 2013)

**AWARDS AND RECOGNITION**

**Penn State Law**, LL.M. Teaching Award, 2022

**Land Use and Environment Law Review**, *Regulatory Islands* and *The Fracking Revolution: Shale Gas As A Case Study in Innovation Policy* (with John M. Golden) each selected as one of the strongest pieces of environmental law scholarship published in the period covered by the 2016 volume and selected for republication in the review

**IUCN Academy of Environmental Law**, 2015 Scholarship Award in the Emerging Scholar Category

**Land Use and Environment Law Review**, *Remedying Regulatory Diseconomies of Scale* selected as one of the strongest pieces of environmental law scholarship published in the period covered by the 2015 volume and selected for republication in the review

**Environmental Law and Policy Annual Review**, Vanderbilt Law School and Environmental Law Institute, *A Market Approach to Regulating the Energy Revolution: Assurance Bonds, Insurance, and the Certain and Uncertain Risks of Hydraulic Fracturing* (with David A. Dana) recognized as a top piece and selected for republication in the review

**American Inns of Court**, Washington, D.C., Warren E. Burger Prize for writing, 2008

**The Burton Foundation**, Washington, D.C., The Burton Awards for Legal Achievement, law student winner, 2008

**TEACHING EXPERIENCE**

Energy Law & Policy; Land Use Regulation; Oil & Gas Law; Emerging Issues in Energy Law: Renewables and Fossil Fuels; Environmental Law; Property Law; The Law of Electricity; The Law of Shale Gas; Renewable Energy and Energy Justice

**SELECTED PRESENTATIONS Delivered**

**Yale Center for Business and the Environment**, New Haven, Connecticut, Guest Lecture, Financing and Deploying Clean Energy Certificate Program, *Natural Gas and Hydrogen*, September 2022

**Temple University Beasley School of Law**, Philadelphia, PA, Colloquium, *Grid Reliability Through Clean Energy*, October 2021

**Minnesota State Bar Association, Public Utilities Section**, Virtual Keynote Presentation, *Enhancing Distributive Justice in the Energy Transition*, April 2021

**Kleinman Center for Energy Policy, University of Pennsylvania**, Philadelphia, PA, *Webinar: Combating Climate Change Through Regulatory Relief*, April 2020

**University of Colorado Law School**, Boulder, CO, Twelfth Annual Schultz Lecture in Energy, *Energy as a Locally Desirable Land Use*, October 2019

**Duke University School of Law**, Durham, NC, *Duke Law Journal* Administrative Law Symposium, symposium presenter, February 2018

**Indiana Maurer School of Law**, Bloomington, IN, Joint Maurer-Ostrom Workshop on Political Theory Colloquium Series, *Federal Laboratories of Democracy*, invited colloquium presenter, February 2018

**University of Virginia School of Law**, Charlottesville, VA, Virginia Environmental Law Journal symposium, invited keynote panel presenter, October 2017

**University of Georgia School of Law**, Athens, GA, faculty workshop, *Delegation and Dysfunction*, invited presenter, April 2017

**University of California, Berkeley, School of Law**, Berkeley, CA, Public Policy Workshop, *Dysfunctional Delegation*, invited presenter, March 2017

**Georgetown Law School**, Washington, D.C., Environmental Research Workshop, invited presenter, *Rethinking Agency Delegation*, January 2017

**Society for Environmental Law and Economics**, University of Texas School of Law, Austin, Texas, *Regional Energy Governance and U.S. Carbon Emissions*, accepted paper presenter, May 2016

**Wake Forest University**,Winston Salem, NC,Symposium: Future of Government Regulation in a Time of Gridlock, *Negotiated Governance and New Risks: A Productive Path Forward?*, March 2016

**Northwestern Pritzker School of Law**, Chicago, IL, Environmental Law Colloquium, *Disaggregating Preemption*, invited colloquium presenter, February 2016

**Nicholas Institute for Environmental Policy Solutions, Duke University**, Orlando, FL, Navigating the EPA’s Clean Power Plan: Charting a Course for Southeast Energy, *Balkanizing the Grid? Implications if States Make Different Choices*, invited panelist, January 2016

**Tel Aviv University Buchmann Faculty of Law**, Tel Aviv, Israel, Law, Environment, and Energy Workshop, *Disaggregating Preemption in Energy Law*, invited workshop presenter, December 2015

**Brooklyn Law School**, New York, NY, *Disaggregating Preemption in Energy Law*, invited faculty workshop presenter, November 2015

**Energy and Mineral Resources Subcommittee of the House Natural Resources Committee**, **U.S. House of Representatives**, Washington, D.C., invited provider of written and oral testimony, July 2015, resources.edgeboss.net/wmedia/resources/113/2015\_07\_15\_emr.wvx

**University of Minnesota Law School**, Minneapolis, MN, Faculty Works in Progress, *Informal Federalism*, invited workshop presenter, April 2015

**University of California, Berkeley, Boalt Hall School of Law**, Berkeley, CA, Environmental Law Colloquium, *Informal Federalism*, invited colloquium presenter, February 2015

**UCLA School of Law**, Los Angeles, CA, Climate and Energy Law Workshop, *Informal Federalism*, invited workshop presenter, February 2015

**Penn Program on Regulation**, University of Pennsylvania Law School, Philadelphia, PA, The Risks and Regulatory Challenges of Unconventional Oil and Gas Development, *Good Governance in Unconventional Oil and Gas Extraction: Harnessing the Bird’s-Eye View of Agencies*, invited panelist, February 2015

**National Governors Association**, Salt Lake City, UT, Second Annual Governors’ Policy Forum on Responsible Shale Development, *Market-Based Mechanisms in Shale Gas Governance*, invited panelist, December 2014

**Northwestern University Law School**, Chicago, IL, Third Annual Searle Center Conference on Federalism and Energy, *The* Heydinger *Gap and Informal Federalism Solutions*, invited panelist, November 2014

**Association for Law, Property, and Society**, Vancouver, Canada, Energy and Property, *Allocating Energy Governance*, panelist; Evolving Geographies of Energy Transition, moderator, May 2014

**American Planning Association**, Atlanta, GA, Advanced Environmental Planning Workshop, Environmental Planning Practices, *Natural Resource Extraction Planning and Law*, invited presenter, April 2014

**Ohio State University Moritz College of Law**, Columbus, OH, Ohio [Energy: Emerging Issues in Law, Finance and Regulation](http://moritzlaw.osu.edu/law-and-capital-markets/event/ohio-energy-emerging-issues-in-law-finance-and-regulation/), *Local Energy Governance: Strategies to Address Disproportionate Impacts*, invited panelist, April 2014

**University of Texas School of Law**, Austin, TX, Faculty Colloquium, *The Fracking Revolution: A Case Study in Policy Levers to Promote Innovation*, co-presenter with John M. Golden, April 2014

**Yale Law School Information Society Project**, New Haven, CT, Innovation Law Beyond IP, *The Fracking Revolution: A Case Study in Policy Levers to Promote Innovation*, co-presenter with John M. Golden, March 2014

**Yale Center for Environmental Law and Policy** **& Land Use Law Center, Pace Law School**, Yale Law School, New Haven, CT, Controlling the Local Impacts of Hydrofracking, *Addressing Shale Gas Governance Gaps*, featured speaker, March 2014

**Northwestern University Law School**, Chicago, IL, Second Annual Searle Center Conference on Federalism and Energy, *The Federal Role in State Policy Diffusion*, invited panelist, November 2013

**Louisiana State University, Paul M. Hebert Law Center**, Baton Rouge, LA, Liskow & Lewis Visiting Professorship in Energy Law Inaugural Lecture, *Enhancing Sub-Federal Renewable and Fossil Energy Governance*, invited inaugural lecturer, October 2013

**National Research Council – The National Academies**, Morgantown, WV, Workshop on the Development of Unconventional Hydrocarbon Resources in the Appalachian Basin, *State Shale Gas Regulation in the Appalachian Basin: Recent Enhancements, Remaining Gaps, and Opportunities for Change*, invited presenter, September 2013

**National Research Council** **– The National Academies**, Washington, D.C., Committee on Risk Management and Governance Issues in Shale Gas Development, Shale Gas Workshop #2, *Evaluating and Enhancing the Capacity of the States to Govern Unconventional Oil and Gas Development and Risks*, invited paper author and presenter, August 2013

**Rocky Mountain Mineral Law Foundation**, Flagstaff, AZ, Sixteenth Institute for Natural Resources Law Teachers, *Teaching Unconventional Gas and Oil Issues*, invited panel organizer and moderator, May 2013

**University of Minnesota**,Minneapolis, MN, Consortium on Law and Values in Health, Environment & the Life Sciences, Legal & Policy Pathways for Energy Innovation, *Diseconomies of Scale in Energy Law*, invited plenary panelist, April 2013

**Columbia Law School and Columbia Business School**, New York, NY, How Should Hydraulic Fracturing Be Regulated?, *Federal Approaches to Shale Gas Development: Statutes, Standards, and Studies*, invited panelist, April 2013

**Vanderbilt Law School**, Nashville, TN, *Remedying Regulatory Diseconomies of Scale*, invited faculty workshop presenter, March 2013

**Vanderbilt Law School**, Nashville, TN, Energy, Environment, and Land Use Program, *The Evolving Landscape of U.S. Unconventional Energy:  Fracturing, Federalism Debates, and the Regulatory Divide*, invited lecturer, March 2013

**Harvard Law School**, Cambridge, MA, Environmental Law Society Panel, *Fracking and the Law: The Legal and Environmental Implications of the Hydraulic Fracturing Boom*, invited panelist, March 2013

**Yale Climate & Energy Institute and the Society of Petroleum Engineers**, New Haven, CT, Research Frontiers in the Science of Unconventional Energy Resources, *Regulations and Best Practices in the Development of Unconventional Resources*, invited panelist, March 2013

**Asan Institute for Policy Studies**, Seoul, Korea, Non-Market Factors in Shale Gas Development, *An Introduction to U.S. Regulation of Oil and Gas Drilling and Hydraulic Fracturing*, invited workshop speaker, January 2013

**Yale Center for Environmental Law and Policy**, monthly Webinar Series in Emerging Issues in Shale Gas Development, *Understanding and Improving Regulation of Shale Gas Development*, invited webinar presenter, December 2012

**American Bar Association Section of Environment, Energy, and Resources 20th Section Fall Meeting**, Austin, TX, Environmental Impacts of Oil and Gas Production in Shale Formations: Policy, Perception, and Reality, *The New and Broader Risks of Shale Gas and Oil Development: Identifying Environmental Impacts Through Regulatory Violations and States’ Policy Priorities*, invited panelist, Oct. 2012

**Fordham University School of Law**, New York, NY, Property Works in Progress, *Dynamic Energy Federalism*, revised draft(with Professor Hari Osofsky), workshop presenter, June 2012

**University of Minnesota**, Minneapolis, MN, New Directions in Environmental Law, Policy, and Geography, *Dynamic Energy Federalism* (with Professor Hari Osofsky), invited workshop presenter and commentator, May 2012

Presentation to congressional staff in Washington, D.C. with Dr. Rob Jackson, Nicholas Chair of Global Environmental Change at the Nicholas School of the Environment, *State Regulation of Shale Gas Development: Variation, Innovation, and Challenges*, March 2012

**Northwestern University Law School**,Chicago, IL, Searle Center Conference on Federalism and Energy in the United States, *State and Local Regulation of Shale Oil and Gas Development: Adaptation, Experimentation, or Chaos?*, invited panelist, March 2012

**Duke Nicholas School of the Environment**,Durham, NC, Hydrofracking Workshop, The Legal and Socioeconomic Setting, *Fracturing Regulation Applied*, invited panelist, January 2012

**Rocky Mountain Mineral Law Foundation**, Columbia River Gorge, 2011 Natural Resources Law Teachers Institute, *Siting Issues for Utility-Scale Renewables*, panelist, May 2011

**American Planning Association**, Boston, MA, 2011 National Planning Conference, *Land, Covenants, and Law*, invited panelist, April 2011

**Duquesne University**, Pittsburgh, PA, Marcellus Shale Policy Conference, *Marcellus Policy Approaches*, invited panel moderator, May 2010

**The University of Texas School of Law**, Austin, TX, 2010 Carbon and Climate Change, *Smart Grids: Key Developments, Economics, and Legal Issues*, invited panelist*,* February 2010

**Villanova Law School**, Villanova, PA, Villanova Environmental Law Journal Symposium, *“Shale” We Drill? The Legal and Environmental Impacts of Extracting Natural Gas from Marcellus Shale*, invited panelist*,* January 2010

**The University of Texas School of Law**,Austin, TX, Texas Journal of Oil, Gas, and Energy Law, Energy Law Symposium, *Hydraulic Fracturing and the States*, invited panelist, January 2010

**SELECTED MEDIA QUOTATIONS, PODCASTS, and OP-EDS**

*Clean Energy is Grid Reliability’s Best Hope, Not Enemy*, Bloomberg Law, Mar. 17, 2022, https://news.bloomberglaw.com/environment-and-energy/clean-energy-is-grid-reliabilitys-best-hope-not-enemy

Alex Brown, *Some Cities, States Say Big Oil Should Pay for Climate Damage*, Stateline, Apr. 13, 2022, https://www.pewtrusts.org/en/research-and-analysis/blogs/stateline/2022/04/13/some-cities-states-say-big-oil-should-pay-for-climate-damage

*Mariner East pipeline: communities, the environment, and accountability*, WHYY PBS, Oct. 13, 2021, https://whyy.org/episodes/mariner-east-pipeline-communities-the-environment-and-accountability/

*Localizing the Green Energy Revolution*, The Hill, Feb. 2, 2021, https://thehill.com/opinion/energy-environment/536941-localizing-the-green-energy-revolution

Kleinman Center for Energy Policy, University of Pennsylvania, *The Struggle for Local Control over Energy Development*, Apr. 3, 2020, https://kleinmanenergy.upenn.edu/energy-policy-now/struggle-local-control-over-energy-development

Andrew Shi, *Negotiated Rulemaking and the Borrower Defense Regulation*, The Regulatory Review, Aug. 3, 2018, https://www.theregreview.org/2018/08/03/shi-negotiated-rulemaking-borrower-defense/

Ellen M. Gilmer, *Court to Decide Fate of Federal Fracking Authority—or Not*, Energywire, July 28, 2017

*The Pull of Energy Markets—and Legal Challenges—Will Blunt Plans to Roll Back EPA Carbon Rules*, The Conversation (with Hari Osofsky) (Oct. 2017), https://theconversation.com/the-pull-of-energy-markets-and-legal-challenges-will-blunt-plans-to-roll-back-epa-carbon-rules-85561

David Bailey, *Q&A:* *Professor Cited in Fracking Regulation Ban Joins Opposing Brief*, Reuters Legal, Sept. 30, 2016, http://www.reuters.com/article/energy-fracking-interview-idUSL2N1C60E1

National Public Radio, Marketplace, *The Federal Government’s Limits on Regulating Fracking*, July 5, 2016, http://www.marketplace.org/2016/07/05/sustainability/federal-governments-limits-regulating-fracking

Elvina Nawaguna, *Florida Faces Solar Choices*, Congressional Quarterly, Apr. 26, 2016

Peter Hayes, *$4.2 Million Fracking Verdict Likely to Spark More Suits*, Bloomberg BNA, Mar. 16, 2016, http://www.bna.com/42-million-fracking-n57982068570/

National Public Radio, Marketplace, *Colorado Court Takes up Local Laws Limiting Fracking*, Sept. 23, 2015, http://www.marketplace.org/topics/sustainability/colorado-court-takes-local-laws-limiting-fracking

National Public Radio, The Diane Rehm Show, *New State Laws Aimed at Preventing Local Bans on Fracking*, May 27, 2015, http://thedianerehmshow.org/shows/2015-05-27/new-state-laws-aimed-at-preventing-local-bans-on-fracking

National Public Radio, Marketplace, *Pipeline Spill Exposes a Fracking Cost*, Jan. 22, 2015, http://www.marketplace.org/topics/economy/pipeline-spill-exposes-fracking-cost

National Public Radio, Marketplace, *A Fracking Story Too Good to be True*, Aug. 27, 2014, http://www.marketplace.org/topics/sustainability/fracking-story-too-good-be-true

Russell Gold, *The Fracking Fight’s New Front Line*, Wall Street Journal, June 4, 2014, http://www.wsj.com/articles/fracking-meets-new-resistance-from-communities-1401905185

Mica Rosenberg, *North Carolina Senate Outlaws Disclosure of Fracking Fluid Secrets*, Reuters, May 22, 2014, http://in.reuters.com/article/2014/05/22/usa-fracking-secrets-idINL1N0O80P920140522

National Public Radio, Living on Earth, May 9, 2014, *Texas Family Wins Fracking Suit*, http://www.loe.org/shows/shows.html?programID=14-P13-00019#feature2

National Public Radio, Morning Edition, *Texas Family’s Nuisance Complaint Seen as Win Against Fracking*, May 2, 2014, http://www.npr.org/2014/05/02/308796539/texas-familys-nuisance-complaint-seen-as-win-against-fracking

Jim Efstathiou, Jr. & Mark Niquette, *Fracking Opens Fissures Among States as Drillers Face Many Rules*, Bloomberg Business, Dec. 23, 2011, http://www.bloomberg.com/news/articles/2011-12-23/fracking-opens-fissures-among-states-as-drillers-face-many-rules

Ana Campoy & Stephanie Simon, *Wind Fuels Fight in Oil Patch*, Wall Street Journal, Nov. 26, 2011, http://www.wsj.com/articles/SB10001424052970203710704577052831852364286

Ben Casselman & Russell Gold, *Drilling Tactic Unleashes a Trove of Natural Gas—And a Backlash*, Wall Street Journal, Jan. 21, 2010, http://www.wsj.com/articles/SB10001424052748703837004575012952816154746

**LEGAL professional EXPERIENCE**

**Hyde Park Neighborhood Association**,Austin, TX *Of Counsel (pro bono)*,Apr. 2008–June 2010

**United States Court of Appeals for the Fifth Circuit**, Austin, TX *Law Clerk to Judge Patrick*

*Higginbotham*, Aug. 2007-Aug. 2008

**OTHER professional EXPERIENCE**

**ICF Consulting**, Washington, D.C.  *Research Assistant* 2002-2004; promoted to *Analyst* 2004

**SELECTED SERVICE AND PROJECTS**

Selected outside service

Periodic grant application reviewer, National Science Foundation and Sloan Foundation, 2011-present

Periodic peer reviewer, *Science*, *Environmental Science & Technology*, *Energy Policy*, *Journal of Environmental Law*, and *Environmental Research Letters*, among other journals

Member of Editorial Board, ABA Section of Environment, Energy, and Resources TRENDS, Sept. 2015-Aug. 2019

Member Scholar, Center for Progressive Reform, Sept. 2015-present

Working Group team member, Science for Nature and People, The Nature Conservancy and National Center for Ecological Assessment and Synthesis, *Hydraulic Fracturing: Impacts on Water Quality and Quantity*, Feb. 2014-2016

Member of the University of Michigan Graham Sustainability Institute Hydraulic Fracturing Integrated Assessment Review Panel, 2014-2015

Member of the Committee to Review Scholarly Papers for the Annual Meeting, Association of American Law Schools, 2014-2015

Organizer of and speaker at Continuing Legal Education and Continuing Judicial Education event, *The Evolving Law of Hydraulic Fracturing and Unconventional Oil and Gas*, Florida State University College of Law, April 2014

Co-organizer, University of Pittsburgh 2013 Energy Law & Policy Institute, summer 2013

Editor, Environmental Law Prof Blog January–December 2011

Selected service to law school and university

Member of three dissertation committees; director of Policy Lab for Geography Ph.D. student

Member of Climate Policy and Environmental Justice, School of Public Policy Search Committee, Fall 2022

Member of Energy and Mineral Engineering Department Head Search Committee, Fall 2022

Member of Law School/School of International Affairs Dean Search Committee, 2021-2022

Appointments Committee Chair, Florida State University College of Law, August 2017-May 2018

Dean Search Committee member, December 2015-June 2016

Symposium organizer and moderator, *Energy Policy and Markets in a Shifting Federal-State Landscape*, November 2017

Co-organizer and co-host, Municipal Utilities and Cooperatives: Transitioning to a Lower-Carbon Future (co-sponsored by the Florida State University College of Law Environmental, Energy, and Land Use Program and University of North Carolina School of Law Center for Climate, Environment, Energy and Economics), March 2017

Symposium organizer and moderator, *Effectively Governing Shale Gas and Oil Development*, Florida State University College of Law, February 2013

On-campus coach for Energy Law moot court team, Florida State University College of Law, August 2012–March 2013

**Bar Admissions**

Texas (inactive)

**References**

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