

HANNAH J. WISEMAN
Attorneys' Title Professor, Florida State University College of Law
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EDUCATION, HONORS, AND ACTIVITIES

Yale Law School, J.D., 2007

- Israel H. Peres Prize, best student note or comment appearing in the *Yale Law Journal*, 2007
- Managing Editor, *Yale Journal on Regulation*, 2006-2007

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, Land Use Regulation, Environmental Law, Property Law

LAW JOURNAL ARTICLES, ESSAYS, AND NOTES

Delegation and Dysfunction, 35 YALE J. ON REG. __ (forthcoming 2017)

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. 101 (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, 94 B.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))

SHORT ONLINE SCHOLARLY PUBLICATIONS

Regulatory Triage in a Volatile Political Era, __ COLUM. L. REV. ONLINE __ (forthcoming 2017)

Clean Energy Incentives: Risk, Capture, and Federalism, 67 FLA. L. REV. FORUM 161 (2016) (invited online article response), http://www.floridalawreview.com/wp-content/uploads/Wiseman_Published.pdf

Moving Past Dual Federalism to Achieve Electric Grid Neutrality, 100 IOWA L. REV. BULL. 97 (2015) (invited online article response), http://ilr.law.uiowa.edu/files/ilr.law.uiowa.edu/files/Wiseman_Final.pdf

Governing Fracking from the Ground Up, 93 TEX. L. REV. SEE ALSO 29 (2015) (invited online article response), <http://www.texasrev.com/wp-content/uploads/Wiseman-93-SeeAlso.pdf>

Hydraulic Fracturing and Information Forcing, 74 OHIO ST. L. J. FURTHERMORE 86 (2013) (invited contribution), <http://moritzlaw.osu.edu/students/groups/oslj/files/2013/06/Furthermore.Wiseman.pdf>

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”), http://www.hblr.org/wp-content/uploads/2013/02/Wiseman_The-Private-Role-in-Public-Fracturing-Disclosure-and-Regulation.pdf

Trade Secrets, Disclosure, and Dissent in a Fracturing Energy Revolution, 111 COLUM. L. REV. SIDEBAR 1 (2011), http://www.columbialawreview.org/wp-content/uploads/2011/01/1_Wiseman.pdf

Partial Regulatory Takings: Stifling Community Participation Under the Guise of Kelo Reform, 117 YALE L.J. POCKET PART 61 (2007), <http://www.yalelawjournal.org/forum/partial-regulatory-takings-stifling-community-participation-under-the-guise-of-ke-lo-reform>

BOOKS AND TEXTBOOKS

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)

ENERGY, ECONOMICS, AND THE ENVIRONMENT: CASES AND MATERIALS, Fourth Edition (Foundation Press 2015) (with Joel B. Eisen, Emily Hammond, Jim Rossi, David B. Spence, and Jacqueline Weaver)

BOOK CHAPTERS

Stationary Sources, Movable Rules: Intransigence and Innovation under the Clean Air Act, in BUILDING DURABILITY AND FLEXIBILITY INTO LONG-TERM ENERGY POLICY: LESSONS FROM THE CLEAN AIR ACT (forthcoming with Cambridge University Press)

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)

OTHER PUBLICATIONS

Unconventional Oil and Gas Spills: Risks, Mitigation Priorities, and State Reporting Requirements, 51 ENVTL. SCI. & TECH. 2563 (2017) (with Lauren A. Patterson (first author) 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 (first author) et al.)

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

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

The Capacity of States to Govern Shale Gas Development Risks, 48 ENVTL. SCI. & TECH. 8376, issue 15 (2014)

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

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

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

SELECTED PRESENTATIONS DELIVERED

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, *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

University of Houston Law Center, Houston, TX, Environment, Energy, and Natural Resources Center Speaker Series, *Allocating Energy Governance*, invited speaker, February 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

Fordham University School of Law, New York, NY, What is Urban Law Today? A Symposium on the Field's Past, Present, and Future in Honor of the Urban Law Journal's 40th Anniversary, *Urban Energy*, invited symposium panelist, February 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

University of San Diego School of Law, San Diego, CA, Law in a Distributed Energy Future, *Implementing Community-Scale Renewables*, invited symposium panelist, November 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

Florida State University College of Law, Tallahassee, FL, *Regionalism in Energy* (invited workshop presentation to faculty) and *Adaptive Regulation in the Energy Boomstates* (invited presentation to Environmental Certificate program), August 2010

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

Ellen M. Gilmer, *Court to decide fate of federal fracking authority—or not*, ENERGYWIRE, July 28, 2017

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>

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

Reuters, *North Carolina Senate Outlaws Disclosure of Fracking Fluid Secrets*, May 22, 2014, <http://in.reuters.com/article/2014/05/22/usa-fracking-secrets-idINL1N0080P920140522>

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>

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

Wall Street Journal, *Wind Fuels Fight in Oil Patch*, Nov. 26, 2011, <http://www.wsj.com/articles/SB10001424052970203710704577052831852364286>

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

TEACHING AND RESEARCH EXPERIENCE

Florida State University College of Law, Tallahassee, FL *Attorneys' Title Professor (Associate Professor)*, November 2014-present; *Assistant Professor*, Jan. 2012-Oct. 2014

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

National Energy Policy Institute, Tulsa, OK *Fellow*, June 2010-June 2011

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

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

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

SELECTED SERVICE AND PROJECTS

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

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

Member of Editorial Board, ABA Section of Environment, Energy, and Resources TRENDS, 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-present

Project member, Clean Energy Innovation and State Public Utility Commissions, June 2012–2016

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

Periodic reviewer of National Science Foundation and Sloan Foundation grant proposals at the request of the foundations, 2011-present

Periodic peer reviewer by invitation, *Environmental Science & Technology*, *Energy Policy*, *Journal of Environmental Law*, and *Environmental Research Letters*

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

Project team member, Resources for the Future, *A Review of Shale Gas Regulations by State*, summer 2012–2013

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

Editor, Environmental Law Prof Blog January–December 2011; periodic contributor 2012-2013

Researcher for Pecan Street Project (Smart Grid pilot), Austin, Texas 2010

BAR ADMISSIONS

Texas (2008-2016)