

Linda L. Ammons
Associate Provost and Dean
Widener University School of Law

Dean Ammons is the first woman and the first African American to lead Widener University School of Law, and is the senior African American female dean in the nation. Dean Ammons came to Widener in 2006 from Cleveland-Marshall College of Law in Cleveland, Ohio, where she was associate dean and professor of law. During her 15 years at Cleveland-Marshall, she chaired and served on a number of university committees and taught Administrative Law, Legislation, Mass Communications Law, and Women and the Law. In 2006, the Cleveland-Marshall Alumni Association chose her as their Stapleton Award recipient. In addition, Dean Ammons has been on the faculty of the National Judicial College in Reno, Nevada, since 1993. In 2010, she was named to the Legal Education Development Committee of the American Bar Association, and she recently completed three years' service as the Chair of the Curriculum Committee of the American Bar Association's Section of Legal Education & Admissions to the Bar. Dean Ammons also served a three-year term on the Government Relations Committee of the Association of American Law Schools. She is also a member of the Advisory Boards of the Women Deans' Databank and the Minority Deans' Databank. Dean Ammons was elected to the Board of Directors of WHY? in Philadelphia, PA, in August 2013.

Dean Ammons was awarded the Community Leadership Award from Best Buddies Delaware on March 16, 2013. In November, 2012, Dean Ammons received the "Excellence in Education Award" from the Delaware Barristers Association. In February 2012, Dean Ammons was named one of "The Power 100" African American attorneys in the U.S. In October of 2011, she was honored with the Service to Children Award at the Christopher W. White Distinguished Access to Justice Awards program presented by the Delaware State Bar Association. In August 2010, Senator Tom Carper forwarded Dean Ammons' name to the Department of Justice for consideration by the White House for a seat on the U.S. District Court for the District of Delaware. In January 2010, Dean Ammons was appointed by Governor Jack Markell of Delaware to be the special investigator in the case of the alleged child molestations by pediatrician Earl Bradley. Her work resulted in a package of nine legislative reforms that were passed unanimously by the Delaware General Assembly. In August 2009, she was named among the 14 Most Influential People in Delaware by "Delaware Today" magazine. In May 2009, she was named a Fellow of the American Bar Foundation. In 2008, Dean Ammons was named to and currently serves on the Board of Directors of the Delaware State Chamber of Commerce as chair of its ethics committee. She was honored by the American Council on Education, Office of Women in Higher Education, with the Delaware Leadership Award. In 2007, she was named a Senior Scholar in the Department of Health Policy at Jefferson Medical College in Philadelphia, PA. Also in 2007, Dean Ammons was appointed by Pennsylvania State Treasurer Robin Weissmann to the e-Treasury Blue Ribbon Advisory Commission on Productivity Management. At that time, she was named and continues to serve as a Trustee of the Christiana Care Health System of Wilmington, Delaware.

Prior to joining the faculty at Cleveland-Marshall, Dean Ammons served as executive assistant to former Ohio Governor Richard F. Celeste, from 1988 to 1991, advising him on legal and policy matters in the criminal justice, regulatory and administrative areas. She was a TV anchor-person in Huntsville, Alabama, and worked for several media outlets.

An Ohio State University Moritz College of Law alumna, she was selected out of 8,000 of her peers to be the recipient of the 2004-05 Moritz Alumni Society's Community Service Award. She has been named to emeritus status on the Moritz National Advisory Council.

Thomas W. Beauduy recently stepped down as Deputy Executive Director & Counsel to the Susquehanna River Basin Commission (SRBC), a federal-interstate compact commission with water resource management responsibility for the Susquehanna River Basin. As part of his management responsibilities in that position, he oversaw governmental affairs, policy development and the Commission's regulatory program. Since July, 2013, he continues to provide those services to the Commission as outside Special Counsel.

Prior to joining the SRBC in 1997, Beauduy was in private practice specializing in environmental law and previously served as director of a joint legislative environmental committee in the Pennsylvania General Assembly from 1980-1985. He also served as the Pennsylvania Director of the Chesapeake Bay Commission, a tri-state legislative advisory commission, from 1985 to 2004.

He is past chair and board member of the Interstate Council on Water Policy, a national organization of state and regional water resource management agencies based in Washington, D.C.

Beauduy graduated from Rutgers University in 1975 with a B.A. in Political Science, and received his Juris Doctor degree from the Dickinson School of Law in 1978. He has been a member of the Pennsylvania bar since 1978.

George A. Bibikos is a partner in the Harrisburg office of K&L Gates LLP and serves as Adjunct Professor of Oil & Gas Law at Widener Law School. Mr. Bibikos has a litigation, regulatory, and transactional practice that focuses on oil and gas law, energy and natural-resource development, environmental and regulatory counseling, public utility law, and administrative law. A 2003 magna cum laude graduate of Widener Law School and editor-in-chief of the law review, Mr. Bibikos served as judicial clerk to Honorable Dan Pellegrini of Commonwealth Court from 2003 to 2005. Since joining K&L Gates in 2005, Mr. Bibikos has represented and counseled a broad range of clients in the energy sector and has litigated major cases resulting in precedent-setting decisions for the oil and gas industry. A frequent author and speaker, Mr. Bibikos' law review articles have been cited and relied upon by state and federal courts, other practitioners, and various authors of law reviews and legal treatises.

Timothy Bishop was born and raised in Anchorage, Alaska. In 2011, he graduated from Arizona State University with a Bachelor of Science in Justice Studies, and a Bachelor of Science in Political Science. Currently, he serves as President of the Widener Law Moot Court Honor Society and is a Senior Staff Editor on the *Widener Law Journal*, where he won the awards for Best Associate Staff Editor and Best Student Article during the 2012-2013 academic year. During his final year of law school, Tim works full-time clerking for Justice Eakin (pronounced "a-kin") of the Pennsylvania Supreme Court. Finally, as a Public Service Announcement: Tim is still searching for a job after he graduates from law school.

Elizabeth Ferrell Bjerke is an attorney with the Center for Public Health Practice in the Graduate School of Public Health at the University of Pittsburgh. She studied international and maritime law at the University of Thessaloniki in Greece and received her law degree from Tulane University.

Mrs. Bjerke was a litigator in private practice in New Orleans and Dallas. She then worked as counsel for the Food and Nutrition Service of the United States Department of Agriculture in Washington, DC. While there, Mrs. Bjerke received an award from the Secretary for the

implementation of a suspension and debarment program for food stamp fraud. She also drafted regulations for the USDA's food pyramid. She began her career at Pitt in 2006 when she was hired to write a book for the Pennsylvania judiciary about emergencies with public health implications. Currently, Mrs. Bjerke is leading a team studying laws pertaining to groundwater protection and unconventional shale gas drilling, and is a creator of methodology which pairs traditional legal analysis with social network principles.

Mrs. Bjerke has two faculty appointments at Pitt and teaches Public Health Law and Ethics in the Graduate School of Public Health as well as in the School of Law. She is also the Director of the JD/MPH program at Pitt Public Health and the Associate Director of Law and Policy at the Center for Public Health Practice.

Terry R. Bossert, Esquire is Vice President Legislative & Regulatory Affairs with Range Resources –Appalachia, LLC a major participant in the development of natural gas from the Marcellus Shale formation throughout the Appalachian region. He currently provides legal counsel to Range on regulatory matters relating to natural gas exploration and extraction and directs its government affairs efforts in Pennsylvania. He previously held a similar position with Chief Oil & Gas LLC. Prior to becoming involved with shale gas development Mr. Bossert had over 30 years of experience in the practice of environmental law in both private practice and in government service. He is a former Chief Counsel for the Pennsylvania Department of Environmental Protection where he helped to guide the Departments Regulatory Basics Initiative designed to reform and streamline the environmental regulations. In prior government service, Mr. Bossert was a Deputy Attorney General and helped to establish the Environmental Crimes Unit in the Office of Attorney General and presented the first environmental cases to the Statewide Investigating Grand Jury. In private practice he represented a broad cross-section of commercial and industrial clients including major manufacturers and energy generation companies. He is the recently retired co-editor of the treatise Pennsylvania Environmental Law and Practice, published by the Pennsylvania Bar institute, which won a national award for the Association of Continuing Legal Education.

Donald A. Brown joins the faculty as scholar in residence for sustainability ethics and law through Widener's Environmental Law Center. Brown comes to Widener from Penn State University where he taught interdisciplinary courses on climate change and sustainable development. He also directed the Pennsylvania Environmental Research Consortium, an organization of 56 Pennsylvania universities and the Pennsylvania Departments of Environmental Protection and Conservation and Natural Resources. He previously worked as program manager for United Nations Organizations at the U.S. Environmental Protection Agency's Office of International Environmental Policy. He represented the agency on U.S. delegations to the United Nations negotiating climate change, biodiversity and sustainable development issues. At Widener, he will do research and public presentations on climate change, ethics and sustainability.

Scott Coburn is General Counsel for the Pennsylvania State Association of Township Supervisors, which is a non-profit association that represents the interests of over 1,400 townships in the Commonwealth of Pennsylvania.

Prior to joining PSATS, Scott was a member of Blank Rome LLP's litigation department, where he focused primarily on commercial, corporate and environmental litigation matters.

He earned a J.D. with honors from The George Washington University Law School and bachelor's degrees with honors in Economics and Political Science from James Madison University.

John C. Dernbach is a Distinguished Professor of Law at Widener's Harrisburg campus and co-director of Widener's two-campus Environmental Law Center. He teaches environmental law, property, international law, international environmental law, sustainability and the law, and climate change. His research concentrates on sustainable development, climate change, and environmental law. Professor Dernbach received a B.S. summa cum laude from the University of Wisconsin-Eau Claire in 1975, and a J.D. cum laude from the University of Michigan in 1978, where he served as Legislative Notes Editor for the Michigan Journal of Law Reform. He is admitted to practice in Pennsylvania and the U. S. Supreme Court.

Professor Dernbach leads the only nongovernmental project that comprehensively assesses U.S. sustainability efforts and makes recommendations for future actions. These reviews—three books and an article, all published by the Environmental Law Institute in Washington, D.C.—have been conducted approximately every five years since the U.N. Conference on Environment and Development (or Earth Summit) in Rio de Janeiro in 1992. The most recent book, *Acting as if Tomorrow Matters: Accelerating the Transition to Sustainability*, was published in June 2012. This book, prepared with 51 other contributing authors in a wide variety of disciplines and written in a single voice, provides a set of practical approaches to sustainability that can be used in any context. He also edited two prior assessments—*Agenda for a Sustainable America* (2009) and *Stumbling Toward Sustainability* (2002). These two books each have more than 40 contributing authors from universities and law schools, nongovernmental organizations, the private sector, and state government. The project began with a review conducted in a Widener seminar and published with his students as an article in 1997.

He coauthored an amicus brief to the United States Supreme Court in *Massachusetts v. Environmental Protection Agency* on behalf of eighteen prominent climate scientists. The brief argued that EPA had mischaracterized or misrepresented the relevant science in deciding not to regulate greenhouse gas emissions from motor vehicles. On April 2, 2007, the Court held that EPA erred by not controlling greenhouse gas emissions. The majority opinion reflects the science described in the brief, and the dissenting opinions do not contradict it. This decision is generally recognized as a landmark in environmental law.

Professor Dernbach has written more than forty articles for law reviews and peer-reviewed journals, and has authored, coauthored, edited, or contributed chapters to twenty books or book-length projects. He has lectured to local, state, national, and international audiences on environmental law, climate change, and sustainable development. He received the President's Award for Outstanding Achievement from the University of Wisconsin-Eau Claire Alumni Association in 2002. In 2008, he received the Douglas E. Ray Excellence in Faculty Scholarship Award. On April 22, 2010, he received an award for distinguished service to the profession from the Pennsylvania Bar Association's Environmental and Energy Law Section.

Immediately following graduation from Michigan Law School, Professor Dernbach taught legal writing at Wayne State University (1978-79), served as a staff attorney to the American Lung Association of Michigan (1979-80), and coauthored a widely-used and influential legal writing text, first published in 1981, that is now considered a classic in the field. *A Practical Guide to Legal Writing and Legal Method* (Wolters Kluwer, 4th edition 2010).

Over the next dozen years, Professor Dernbach worked on the development and implementation of nationally recognized programs for regulating coal and non-coal mining, municipal solid waste, and residual or industrial solid waste for the Pennsylvania Department of Environmental Resources. During this time he served as assistant counsel (1981-87), special assistant (1987-92), and Director of the Department's Advanced Science and Research Team (1992-93).

Professor Dernbach joined the faculty at Widener in 1993 and was promoted to full professor in 2001. He has taught for Widener at the University of Nairobi in Kenya (1996), Macquarie University in Sydney, Australia (1999), the Institute for Graduate Studies in Geneva, Switzerland (2003) and Università Cà Foscari in Venice, Italy (2007). In 2003-05, he took a leave of absence from Widener and returned to serve as policy director in the now renamed Pennsylvania Department of Environmental Protection.

He is a former chair and a current vice-chair of the ABA Committee on Climate Change, Sustainable Development, and Ecosystems, and Climate Change. In June 2013, he was appointed to the ABA Task Force on Sustainable Development, which is charged with making recommendations "regarding the involvement of the ABA in implementing sustainable development matters worldwide." Professor Dernbach is a past council member for the ABA Section on Environment, Energy, and Resources. He is also a member of the IUCN Commission on Environmental Law. From 2005 to 2008, he served on the Roundtable on Science and Technology for Sustainability of the National Academy of Sciences. He was a member of the National Research Council Committee that, in Sustainability and the U.S. Environmental Protection Agency (2011), made recommendations on how to institutionalize sustainability at EPA. He is a former Senior Warden and co-chair of the environmental stewardship committee at St. Stephen's Episcopal Cathedral in Harrisburg.

Jean Macchiaroli Eggen is a Distinguished Professor of Law at Widener University School of Law-Delaware, where she is a member of the Health Law Institute and the Environmental Law Center. Upon joining the law faculty of Widener in 1986, she became one of the first legal academics to develop the new discipline of toxic torts and introduce it into the legal curriculum of a law school. Professor Eggen is the author of West's *Toxic Torts in a Nutshell*, now in its 4th edition, and has written extensively on such topics as federal preemption, toxic reproductive and genetic hazards, toxic torts in the workplace, toxic products liability, scientific evidence, and mass torts. She writes legal analysis on the health and environmental risks and regulatory aspects of nanotechnology at her blog, <http://blogs.law.widener.edu/nanolaw/>.

Professor Eggen earned her J.D., magna cum laude, from Syracuse University College of Law, where she was Order of the Coif; an M.A. from Michigan State University; and an A.B. from Connecticut College. She was previously a tort and environmental litigation attorney at the law firm of Bond, Schoeneck & King in Syracuse, New York. She is a member of the ABA Tort Trial and Insurance Practice and Science and Technology Law sections. She is admitted to the bar in New York.

Jill E. Family is an Associate Professor of Law at Widener's Harrisburg campus and is also Director of the Law & Government Institute. At Widener, Professor Family teaches Administrative Law, Civil Procedure and Immigration Law.

Professor Family's research focuses on immigration law and administrative law. She has

extensively studied the U.S. immigration court system, including the role of the federal courts, and is engaged in a comparative study of the immigration court systems of the United States and the United Kingdom. Other current projects explore the intersections between immigration law and administrative law, including study of agency sub-regulatory rules.

During the spring of 2012, Professor Family was a Visiting Scholar at Queen Mary School of Law in London, England. She received the 2011 Douglas E. Ray Excellence in Faculty Scholarship Award and the National Administrative Law Judiciary Foundation selected Professor Family as its 2010 Fellow. Her article, *Administrative Law through the Lens of Immigration Law*, was selected for reprinting in an anthology of immigration law scholarship.

Professor Family is an active member of the American Bar Association. She is a member of the governing council of the Section of Administrative Law and Regulatory Practice, as well as a member of the advisory board to the Commission on Immigration. She is also a Fellow of the ABA's American Bar Foundation.

Prior to joining the Widener faculty, Professor Family served as a law clerk to the Honorable Morton I. Greenberg of the United States Court of Appeals for the Third Circuit. Professor Family also taught as an Adjunct Professor of Law at Temple University Beasley School of Law, practiced immigration law in the Philadelphia office of Dechert LLP and clerked for the Honorable Stephen M. Orlofsky of the United States District Court for the District of New Jersey.

Professor Family holds a degree in history from the University of Pennsylvania (cum laude) and a joint degree in public policy and law from Rutgers University (J.D. high honors). While at Rutgers, Professor Family served as an editor of the Rutgers Law Journal.

Lynn R. Goldman is dean of the School of Public Health and Health Services (SPHHS) at the George Washington University. Before joining SPHHS in 2010, she was a professor of environmental health sciences at Johns Hopkins University's Bloomberg School of Public Health. Prior to that, Goldman served as assistant administrator for the EPA's Office of Chemical Safety and Pollution Prevention, where she was responsible for national implementation of chemical and pesticide safety and pollution prevention laws. She also worked at the California Department of Public Health, where she headed the Division of Environmental and Occupational Disease Control. Goldman serves on the board of the Environmental Defense Fund and is a member of both the Institute of Medicine, where she also serves as a member of the governing council, and the National Academy of Sciences Board on Environmental Sciences and Toxicology. In 2013, Goldman received an honorary doctorate from Örebro University in Sweden for her contributions to chemical legislation in the U.S. and Sweden and her influence on the research conducted at the university's Man Technology Environment Research Center. She holds a B.S. in conservation of natural resources and an M.S. in health and medical science from the University of California, Berkeley; an M.P.H. from the Johns Hopkins University; and an M.D. from the University of California, San Francisco.

Bernard D. Goldstein, M.D.

Dr. Goldstein past experience includes serving as dean of the University of Pittsburgh Graduate School of Public Health; EPA Assistant Administrator for Research and Development; Founding Director of the Environmental and Occupational Health Sciences Institute at Rutgers University; and President of the Society for Risk Analysis . Currently he chairs the Coordinating Committee of the Gulf Region Health Outreach Program; the UN Environmental Program Emerging Issues Working Group on Chemical Governance; and the Society of Toxicology Issues Writing Team on

Shale Gas. He is an elected member of the National Academies of Science Institute of Medicine (IOM), for whom he has chaired and served on numerous committees, and is a current member of both the US National Research Council and Canadian Council of Academies shale gas committees. Dr. Goldstein is coauthor of the chapter on Toxicology in the Federal Reference Manual on Scientific Evidence, and of the forthcoming book: Environmental Health Law for Non-Lawyers.

John Hanger is a nationally recognized expert on gas drilling, the green economy, environment, and energy issues. He has unique experience in government, regulatory agencies, and in the private sector. He has been interviewed thousands of times and is a sought after resource for stories featured on CNN, NBC Evening News, BBC, and the CBS Evening News.

Mr. Hanger served as the Secretary of the Pennsylvania Department of Environmental Protection from 2008-2011; as Chair of the Pennsylvania Energy Development Authority, and Chair of the Pennsylvania Mine Safety Board. Mr. Hanger enacted new, strengthened gas drilling rules and increased the gas drilling staff from 88 to 202 positions in order to increase oversight.

David R. Hodas is a Distinguished Professor of Law at Widener's Delaware campus. Professor Hodas received a B.A. cum laude and with departmental honors from Williams College in 1973; a J.D. cum laude from Boston University School of Law in 1976; and an LL.M. in Environmental Law from Pace University School of Law in 1989.

Following graduation from law school, Professor Hodas served as Attorney for the Internal Revenue Service, Criminal Tax Division, Washington, D.C., 1976; Attorney, City of Wilmington, Solicitor's Office, Wilmington, Delaware, from 1976-77; Attorney and Director, Potter, Carmine & Hodas, Wilmington, Delaware, from 1977-88.

Professor Hodas joined the faculty at Widener in 1989. Professor Hodas is admitted to practice in Delaware, and he teaches and writes in the areas of Environmental Law, Enforcement of Environmental Law, Energy and Public Utility Law, Administrative Law, Constitutional Law, and International Environmental Law.

Professor Hodas has been active in a number of professional and civic organizations, including serving on the Editorial Board of Natural Resources and Environment, the American Bar Association's Standing Committee on Environmental Law, chairing the Climate Change and Sustainable Development Committee for the ABA Section of Environment, Energy, and Resources, and serving on the Environmental Law Commission of the IUCN-The World Conservation Union, and its energy law working group, and has been a speaker at a number of national and international conferences. Professor Hodas is also a Master in the Delaware Valley Environmental American Inns of Court.

Pamela Ko is an Assistant Professor of Law in the School of Management at The Sage Colleges in Albany, New York. Her teaching focuses on the legal aspects of business, including commercial transactions, intellectual property protection and technology transfer. Professor Ko teaches classes in business law, contracts, intellectual property, and legal writing and analysis.

Professor Ko's research focuses on Health Impact Assessment as a tool for developing broad-based environmental justice and sustainable land use development as well as the commercialization of emerging technologies and its importance for community economic

development. She has written several articles on Health Impact Assessment and land use decision-making. Professor Ko has also authored books on mortgages and lien priorities in New York.

Professor Ko earned her Juris Doctor from the City University of New York School of Law. She also holds a Master of Arts degree in History from Wake Forest University. Professor Ko received her Bachelor of Arts degree in history and political science from the University of Rochester. Prior to coming to the Sage Colleges, Professor Ko was a Visiting Assistant Professor at Albany Law School, where she taught classes on technology transfer, intellectual property licensing and the use of intellectual property as an asset in business formation and growth.

Dr. Bonita Kolb is an associate professor of business at Lycoming College and co-director of the College's Center for the Study of Community and the Economy. Her research interests include the relationship between cities and towns and economic development, specifically how arts and culture can be used in revitalization and the building of community. Her research also focuses on the interplay between community and economic development. Dr. Kolb is the author of several books including *Marketing Cities and Towns: Using Branding and Events to Attract Tourists*. The third edition of *Marketing for Cultural Organizations* has just been released.

Kenneth T. Kristl, Esq. is an Associate Professor of Law and the Director of the Environmental and Natural Resources Law Clinic at the Widener University School of Law, which operates offices on both the Wilmington, DE and Harrisburg, PA campuses. Professor Kristl received his undergraduate degree *magna cum laude* from the University of Notre Dame, where he was Phi Beta Kappa, and his law degree from IIT/Chicago-Kent College of Law, where he was Editor-in-Chief of the *Chicago-Kent Law Review* and graduated first in his class. After graduation, Professor Kristl clerked for the Honorable William C. Lee in the United States District Court for the Northern District of Indiana, then worked for 18 years at Winston & Strawn LLP in its Chicago, IL office, where he was an associate and then partner in the Environmental and Litigation Departments. In May 2004, he left Winston for his current position at Widener. He is licensed to practice law in Delaware, Pennsylvania, and Illinois.

Alan Krupnick is a Senior Fellow and Director of the Center for Energy Economics and Policy (CEEP) at Resources for the Future. Krupnick also served as senior economist on the President's Council of Economic Advisers, advising the Clinton administration on environmental and natural resource policy issues. In 2011 he was elected President of the Association of Environmental and Resource Economists (AERE) and earlier that year was named an AERE Fellow. Krupnick's research focuses on analyzing environmental and energy issues, in particular, the benefits, costs and design of pollution and energy policies, both in the United States and in developing countries, with an emphasis on China. As head of CEEP, he leads RFF's research on the risks associated with shale gas development and has developed a portfolio of research on issues surrounding this newly plentiful fuel. His primary research methodology is in the development and analysis of stated preference surveys (such as contingent valuation and choice experiments). His work has been published in the *Journal of Environmental Economics and Management* (JEEM), the *Proceedings of the National Academy of Sciences*, *Journal of Risk and Uncertainty*, *Land Economics*, *American Journal of Agricultural Economics* (AJAE), *Environmental Economics and Policy*, *Decision Analysis*, *Environment and Resource Economics*, *Journal of Policy Analysis and Management* and many other scholarly journals and books.

John A. “Skip” Laitner is a resource economist who leads a team of consultants, the Economic and Human Dimensions Research Associates based in Tucson, Arizona. He also serves as the chief economist for Jeremy Rifkin’s Third Industrial Revolution initiatives. He previously served almost 10 years as a Senior Economist for Technology Policy with the US Environmental Protection Agency (EPA). He left the federal service in June 2006 to focus his research on developing a more robust technology and behavioral characterization of energy efficiency resources for use in energy and climate policy analyses and within economic policy models.

In 1998 Skip was awarded EPA's Gold Medal for his work with a team of economists to evaluate the impact of different strategies that might assist in the implementation of smart climate policies. In 2003 the US Combined Heat and Power Association gave him an award to acknowledge his contributions to the policy development of that industry. In 2004 his paper, “How Far Energy Efficiency?” catalyzed new research into the proper characterization of efficiency as a long-term resource.

Author of nearly 300 reports, journal articles, and book chapters, Skip has more than 40 years of involvement in the environmental, energy and economic policy arenas. His expertise includes benefit-cost assessments, behavioral assessments, resource costs and constraints, and the net employment and macroeconomic impacts of energy and climate policy scenarios. His most immediate research focuses on two areas. The first, building on the work of Robert U. Ayres and Benjamin Warr, examines the links between energy inefficiency and a productive economy. In a new book chapter, Skip provides a time series dataset that suggests the United States may be only 14 percent energy-efficient, and that it is this level of inefficiency which may constrain the future development of a more robust economy. The second area explores the larger energy efficiency and economic productivity benefits of information and communication technologies (ICT).

Skip has been invited to provide technical seminars in diverse places as Australia, Canada, China, France, Germany, Iceland, Ireland, Italy, Korea, Netherlands, South Africa, and Spain. His clients have ranged from the United Nations and the United Nations Foundation to the Appalachian Regional Commission, the Semiconductor Industry Association, the Argonne National Laboratory, and the U.S. Department of Energy. He has served as an adjunct faculty member for the Virginia Polytechnic Institute and State University and the University of Oregon, teaching graduate courses on the Economics of Technology. Skip has a master’s degree in Resource Economics from Antioch University in Yellow Springs, OH.

Among Skip’s recent publications is a report for which he was the lead author in January 2012, *The Long-Term Energy Efficiency Potential: What the Evidence Suggests*. Among the key findings in that report is that the U.S. has the capacity to reduce the nation’s long-term energy needs by about one-half and still maintain a robust economy. He also co-edited a book with his colleague Karen Ehrhardt-Martinez, *People-Centered Initiatives for Increasing Energy Savings*. Both publications were released by the Washington, DC think-tank, the American Council for an Energy-Efficient Economy.

Tim Lambert has been with wtf, central Pennsylvania's public radio station, since August 2001 and has worked in a variety of roles. He was promoted to the position of Multimedia News Director in January, 2011. He is also the project manager of StateImpact Pennsylvania, a data-driven journalism project, in collaboration with WHYI in Philadelphia, covering the commonwealth's energy economy. It's been recognized with the prestigious national 2012 duPont-Columbia for excellence in broadcast and digital journalism. Lambert is a four-time winner of the Radio Television Digital News Association's national Edward R. Murrow Award for

excellence in broadcasting and has also been recognized with 13 Regional Murrow honors. He is a graduate of the Indiana University of Pennsylvania.

James R. May (symposium co-chair) is a Professor of Law, co-director of the Environmental Law Center, and Adjunct Professor of Graduate Engineering, at Widener University. He is an academic, a clinic director, a founder and director of two environmental advocacy organizations, a founder and director of a program on marine policy, a federal litigator, and an environmental attorney. He has litigated 200+ public interest environmental claims at levels up to the U.S. Supreme Court. He is the author of two books, *PRINCIPLES OF CONSTITUTIONAL ENVIRONMENTAL LAW*, and *ENVIRONMENTAL CONSTITUTIONALISM: IMPLICATIONS FOR PRESENT AND FUTURE GENERATIONS* (with Erin Daly, forthcoming), and more than 70 articles and book chapters relating to environmental and constitutional law.

May is a Fellow of the American College of Environmental Lawyers, and a Member of Faculty to the National Judicial College. May has served as a Council Member to the governing board of ABA Section on Environment, Energy and Resources, a founder and inaugural Chair of ABA SEER's Task Force on Constitutional Law, a member of the Committee on Environmental Law to the IUCN, a founder, executive director, and president of the Mid-Atlantic Environmental Law Center and director of Widener Institute at the Macquarie University Environmental Law Centre in Sydney, Australia. He has received numerous awards, including the Nicholas A. Robinson Alumni Award from Pace University School of Law, and the Environmental Award from the Delaware Chapter of the Sierra Club. May is licensed to practice law before the U.S. Supreme Court, numerous federal courts, and the States of Pennsylvania and Kansas (inactive).

May earned a B.S. in Mechanical Engineering (Bowman Scholar), a J.D. from the University of Kansas (national moot court champion), and an LL.M. from Pace (Feldshuh Environmental Fellow, first in class).

Professor Thomas Merrill writes widely in the fields of property and administrative law. In property, he has authored, with Henry Smith of Harvard, a series of articles relating the structure of property rights to information costs ("Optimal Standardization in the Law of Property: The Numerus Clausus Principle," *Yale Law Journal* 2000), as well as a leading casebook ("Property: Principles and Policies," 2012); a series of studies, with Joseph Kearney of Marquette, on the role of public property rights in the development of the Chicago lakefront ("The Origins of the American Public Trust Doctrine: What Really Happened in Illinois Central," *U. Chicago L. Rev.* 2004); and a variety of writings on constitutional property ("Property: Takings (with David Dana 2002);" "The Landscape of Constitutional Property," *Virginia L. Rev.* 2000); "The Economics of Public Use," *Cornell L. Rev.* 1986). In administrative law, he has written a number of pieces about the history of administrative law ("Article III, Agency Adjudication, and the Origins of the Appellate Review Model of Administrative law," *Columbia L. R.* 2011), and about judicial review of agency interpretations of law ("Chevron's Domain," *Geo. L. J.* (with Kristin Hickman 2001)).

Professor Merrill is a graduate of Grinnell College (1971) and Oxford University (1973), where he was a Rhodes Scholar, and the University of Chicago Law School (1977). He clerked for the Hon. David L. Bazelon, U.S. Court of Appeals for the District of Columbia Circuit, and for the Hon. Harry A. Blackmun, U.S. Supreme Court. From 1987-1990 he was Deputy Solicitor General, U.S. Department of Justice. Professor Merrill has previously taught at Northwestern Law School (1981-2003) and at Yale Law School (2008-2010). He is a member of the American Academy of Arts and Sciences.

Scott R. Perry, Esq. is Deputy Secretary of the Office of Oil and Gas Management at the Pennsylvania Department of Environmental Protection. Mr. Perry directs the Bureaus of Oil and Gas Planning and Program Management and District Oil and Gas Operations, and he oversees the development of departmental policy as well as regulatory and technical guidance on oil and gas activities in Pennsylvania. In addition, Mr. Perry oversees outreach and education for the public and regulatory communities.

Mr. Perry has more than 10 years of experience with DEP . Prior to his appointment, he served as Assistant Counsel across a wide range of bureaus and offices within DEP, including the bureaus of Oil and Gas, Laboratories, Water Standards and Facility Regulations, Watershed Management, Waste Management and Radiation Protection, along with the Office of Energy and Technology Deployment and the Right-to-Know Office.

Mr. Perry holds a Bachelor of Arts degree in General Arts and Sciences – Economic and Environmental Policy from Penn State University and a Doctor of Jurisprudence degree and a certificate in Dispute Resolution from Willamette University College of Law. He was admitted before the Pennsylvania Supreme Court, Federal District Court for the Middle District of Pennsylvania and the U.S. Court of Appeals for the Ninth Circuit as an Attorney and Counselor of Law.

Mr. Perry lives in Camp Hill with his wife June, and son Nicholas.

Ross H. Pifer is a Clinical Professor of Law and Director of the Agricultural Law Resource and Reference Center at The Penn State Dickinson School of Law. The Agricultural Law Center is a collaboration between Penn State Law, the Penn State College of Agricultural Sciences, and the Pennsylvania Department of Agriculture. Professor Pifer also serves as Director of the Rural Economic Development Clinic at Penn State Law. In the classroom, Professor Pifer teaches courses on Oil and Gas Law and Agricultural Law. He has given numerous presentations throughout Pennsylvania, across the United States, and internationally on natural gas topics to audiences consisting of landowners, attorneys, judges, governmental officials, academics, and the general public. He also has written a number of articles on natural gas topics and supervises the compilation of natural gas resources for the Agricultural Law Center website. Professor Pifer received his B.S. in agricultural business management from Penn State University, his J.D. from The Dickinson School of Law, and his LL.M. in agricultural law from the University of Arkansas School of Law.

Andrew G. Place

EQT Corporation
Corporate Director, Energy & Environmental Policy

Center for Sustainable Shale Development (CSSD)
Interim Executive Director

Prior to joining EQT in 2011 Andrew served for eighteen months in Pennsylvania's Department of Environmental Protection, first as Special Assistant for Energy and Climate Change and second as Acting Deputy Secretary of the Office of Energy and Technology Deployment. Before working at the Department of Environmental Protection, Andrew served as a Research Fellow at Carnegie

Mellon University's Department of Engineering and Public Policy with a primary focus on Carbon Capture and Sequestration among other technical, economic, and policy issues related to energy and the environment.

While remaining in his position with EQT, Andrew accepted the role of Interim Executive Director at the Center for Sustainable Shale Development (CSSD) in 2012. Andrew's role at CSSD has been to raise awareness of the Center's work while supporting continued consensus for the Center's Performance Standards and certification to those standards.

Andrew holds a B.S. in Economics from the University of Pittsburgh and an M.S. in Public Policy and Management from the H. John Heinz III College at Carnegie Mellon. He is married with two children.

John H. Quigley

Principal

John H Quigley LLC

John has served as Secretary of the Pennsylvania Department of Conservation and Natural Resources, as a two term Mayor of Hazleton (PA), and currently serves as an Alternate Federal Commissioner on the Interstate Commission on the Potomac River Basin. He was the founding executive director of a non-profit economic development corporation and has held a number of management positions with two industry-leading companies in the private sector, and worked for a statewide environmental NGO. As Secretary, John was responsible for implementing mandated shale gas development on state lands. In that role and with extensive stakeholder input and support, DCNR's leasing program and the initiatives that he ordered - a monitoring program and best practices manual - became models for other state and federal resource management agencies. His blog - John Quigley's A Green Thing - has become an influential voice for responsible hydraulic fracturing. He is a graduate of Bloomsburg University with a degree in economics, and holds a Master of Public Administration degree from Lehigh University.

Patricia E. Salkin, Esq. is Dean and Professor of Law at Touro Law Center. She is a nationally recognized scholar on land use law and zoning and author of the popular blog, Law of the Land (www.lawoftheland.wordpress.com). She is the author of more than one hundred books, articles, chapters and columns on a range of topics including sustainable development and land use law including: Climate Change and Sustainable Development Law in a Nutshell (West 2011); the 4-volume 4th edition of New York Zoning Law & Practice (1999); the 5-volume 5th edition of American Law of Zoning (2008); Land Use & Sustainable Development Law, 8th ed. (West 2013); and Land Use in a Nutshell (West (2007)). Dean Salkin served two terms as an appointed member of the U.S. Environmental Protection Agency's National Environmental Justice Advisory Council. She has served on the Board of Directors of the New York Planning Federation, and was a member on the Land Use Advisory Committee of the NYS Legislative Commission on Rural Resources for more than a decade. She is a reporter for the American Planning Association's Planning & Environmental Law and on the Editorial Advisory Board for The Urban Lawyer. Dean Salkin continues to serve as the chair of the American Planning Association's Amicus Curiae Committee. She has consulted on land use issues for many national organizations including: the American Planning Association, the American Institute of Certified Planners, the National Academy for Public Administration and the National Governor's Association. She is a past Chair of the Municipal Law Section of the New York State Bar Association, and the State and Local Government Law Sections of the both the American Bar Association and the American Association of Law Schools.

David Spence is Professor of Law, Politics & Regulation at the University of Texas at Austin, where he teaches in both the McCombs School of Business and the School of Law. He earned his Ph.D. in political science from Duke University, and his J.D. from the University of North Carolina School of Law. Professor Spence teaches courses on energy regulation, environmental regulation, business-government relations, corporate social responsibility and stakeholder relations.

Professor Spence is co-author of the Foundation Press textbook, *Energy, Economics and the Environment* (3d Ed., 2010). He has published numerous scholarly articles on subjects relating to energy policy, regulation and the regulatory process in journals such as the *University of Pennsylvania Law Review*, the *Journal of Legal Studies*, the *Cornell Law Review*, the *Public Administration Review*, and the *California Law Review*, among others. He is and Co-Director of the Energy Management & Innovation Center at the McCombs School.

Before coming to academia, Professor Spence was a practicing attorney representing public utilities, energy companies and others in connection with a wide variety of environmental and energy regulatory matters. In addition to his work at the University of Texas, Professor Spence has taught as a visitor at Duke University's Nicholas School of the Environment, the Vanderbilt University Law School, the Cornell Law School, the University of California at Santa Barbara's Bren School of the Environment, and the Harvard Law School. He is a native of Rochester New York, and lives in Austin, TX with his wife and two children.

Diana Stares is the inaugural Director of the Center for Energy Policy and Management (CEPM) at Washington & Jefferson College, which formally opened in April 2012. As Director of the CEPM, she works with stakeholders to exchange information that shapes regional and national energy policy, coordinates the development and publication of the Washington & Jefferson College Energy Index, which measures the nation's progress toward energy independence and security, and facilitates research opportunities, internships and hands-on experience in energy and energy-related issues for Washington & Jefferson College students. Prior to joining Washington & Jefferson College, Ms. Stares practiced as an environmental lawyer for the Pennsylvania Department of Environmental Protection (DEP) in its Pittsburgh office. She served for 20 years as Regional Counsel, supervising the DEP's Southwest Regional Office of Chief Counsel. Ms. Stares received a B.A. from Hofstra University and a J.D. from Duquesne University School of Law.

Jonathan Williamson, Ph.D. is an Associate Professor of Political Science at Lycoming College and Director of the College's Center for the Study of Community and the Economy. Including his role as Vice-President of Williamsport City Council, his engagement on issues related to the impact of Marcellus Shale on community and economic development ranges from applied academic research to policymaking. More specifically, he and Dr. Bonita Kolb have completed several research projects on the housing related impacts of Marcellus gas development.

