

Speakers' Biographies

Joseph G. Baran
John T. Boyd Company, Canonsburg, PA

Joe Baran has over twenty years experience in many aspects of the energy industry. These efforts include the development of risk management strategies for several commodities, financial and operational assessments of investment opportunities, strategic purchasing strategies, process redesign, and market forecasts.

Joe joined John T. Boyd Company (BOYD) in March of 2009. Previously, he worked at PPG Industries, Inc. (PPG) and was responsible for the development of energy and precious metals purchasing and risk management strategies for approximately 50 facilities across North America. Prior to PPG, Joe worked for utilities, consulting firms and The Federal Energy Regulatory Commission. Recent presentations/publications include co-presenter of "The Markets for Coal, Natural Gas and Oil – Where Have They Gone/Where Are They Going," 34th KY Mineral Law Conference, Energy & Mineral Law Foundation (2009), co-presenter of "The Natural Gas Market From an Industrial Perspective," The Independent Oil and Gas Association of Pennsylvania, (2004), and co-presenter of "Natural Gas in A Snapshot," Simmons and Company International Las Vegas Program, (2003).

Joe has an M.B.A. in International Business, University of Pittsburgh and a B.S. in Accounting from The Pennsylvania State University, and is also a Certified Energy Purchaser.

Joseph G. Baran, Senior Market Analyst, John T. Boyd Company, 4000 Town Center Blvd., Suite 300, Canonsburg, PA 15317. Phone: 724.873.4467. Email: j-baran@jtboyd.com.

Karen C. Bennett
National Mining Association, Washington, DC

As Vice President of Environmental Affairs at the National Mining Association, Karen is responsible for developing regulatory and policy positions on water related issues arising under the Safe Drinking Water Act and the Clean Water Act, including Section 404 permitting. Karen is also responsible for coordinating the association's policy positions on all environmental issues.

Prior to joining NMA in 1999, Karen focused on public lands and issues arising under the various environmental statutes as Director of the Public Lands Council, National Cattlemen's Beef Association.

Karen is a graduate of the University of Wisconsin and the University of Denver College of Law.

Karen C. Bennett, National Mining Association, 101 Constitution Ave., NW, Suite 500 East, Washington, DC 2001. Phone: 202.463.2600. Email: KBennett@nma.org.

Bruce H. Braine
American Electric Power Service Corporation, Columbus, OH

Bruce H. Braine is Vice President for Strategic Policy Analysis for American Electric Power Service Corp. In this position, he focuses on analysis of federal and state energy and environmental policy, as well as analysis and development of long-term environmental and energy strategy for AEP.

Braine joined AEP in 1997 as Senior Vice President – Analysis for AEP Energy Services, an AEP subsidiary. He was named to his current position in 2002. Braine has a bachelor's degree from Brown University and a master's degree in business administration from Stanford, where he graduated from Stanford's Public Management Program.

Before joining AEP Energy Services in 1997, Braine was Senior Vice President at ICF-Kaiser International, where he directed ICF's \$6 million electric utility business consulting unit.

Braine serves as Vice-Chair of EPRI's Global Climate Change Area Council, on the Board of Directors of the Chicago Climate Exchange and of the International Emissions Trading Association (IETA) and as Chair of the IETA US working group, on the EEI Strategic Issues Committee and EEI Economics and Public Policy Executive Advisory Committee. He was a former Chairman of the Pension Committee of the United Way in central Ohio.

Bruce H. Brain, Vice President, Strategic Policy Analysis, American Electric Power Service Corp., 1 Riverside Plaza, 29th Floor, Columbus, OH 43215. Phone: (614) 716-1696. Email: bhbraine@aep.com.

Tawny A. Bridgeford
National Mining Association, Washington, DC

Tawny Bridgeford is the Deputy General Counsel at the National Mining Association (NMA) in Washington, D.C. Ms. Bridgeford has represented the mining industry since 2004 on legal, regulatory and policy issues regarding solid waste, metals and toxics. Ms. Bridgeford leads the association's advocacy efforts on the U.S. Environmental Protection Agency's (EPA) proposed rule that would regulate the disposal of coal combustion residuals from electric utilities and independent power producers under the Resource Conservation and Recovery Act. Prior to joining NMA, Ms. Bridgeford was a law clerk at the EPA's Office of General Counsel. Ms. Bridgeford is a 2004 graduate of

the American University's Washington College of Law. Ms. Bridgeford obtained her Bachelor of Sciences at Cornell University in 1999, where she majored in Natural Resources.

Tawny A. Bridgeford, Deputy General Counsel, National Mining Association,
101 Constitution Ave. NW, Suite 500 East, Washington, DC 20001.
Phone: (202) 463-2600. Email: TBridgeford@nma.org.

Stephanie Daigle
Crowell & Moring LLP, Washington, DC

Stephanie Daigle is a policy advisor with Crowell & Moring's Public Policy Practice Group. She provides strategic legislative advice and representation to a wide range of companies, trade associations and State and local governments. She has more than 12 years of experience in government affairs and environmental policy having served at the U.S. Environmental Protection Agency (EPA) and the U.S. Senate Committee on Environment and Public Works (EPW).

As Associate Administrator of EPA's Office of Congressional and Intergovernmental Relations from 2005 to 2007, Stephanie led the Agency's review of legislation, coordinated formal positions, provided technical assistance to Congress and monitored relevant legislative actions. Her work included serving as the Agency's lead on all oversight related issues and informing Congress and the States of the Agency's position on numerous environmental issues.

From 2001 to 2005, Stephanie served in EPA's Office of Policy, Economics and Innovation in several positions. As the Acting Associate Administrator, she was responsible for managing the Agency's regulatory, economics and innovation agenda. Stephanie managed and provided oversight of significant regulatory and policy actions such as the Clean Air Act non-road diesel rule; the fine particle (PM2.5) National Ambient Air Quality Standard; and the first joint EPA/FDA consumer advisory concerning mercury in fish. Stephanie also coordinated economic analysis on significant rules including the Clean Air Act New Source Review (NSR) program and the Clean Air Act mercury rule.

Prior to joining EPA, Stephanie served the U.S. Senate Committee on Environment and Public Works. While with the Committee, Stephanie was responsible for developing legislative strategies for the Chairman on issues related to the Water Resources Development Act, Everglades restoration, fish and wildlife related issues, appropriations and agency budgets.

Stephanie received her M.A. from Catholic University and her B.A. from Simmons College.

Stephanie Daigle, Crowell & Moring LLP, 1001 Pennsylvania Avenue, NW, Washington, DC 20004. Phone: (202) 508-8915. Email: sdaigle@crowell.com.

Scott D. Deatherage
Patton Boggs LLP, Dallas, TX

Scott Deatherage is a Partner with Patton Boggs LLP in Dallas, Texas. He advises clients on a variety of environmental, renewable energy, climate change and greenhouse gas regulation. His practice focuses on permitting, compliance, administrative law and judicial litigation on a variety of environmental issues including air emissions, wastewater discharges, hazardous waste, hazardous substances and toxic substances.

Mr. Deatherage represents clients before local, state and federal environmental agencies, and state and federal courts. He has significant experience representing oil and gas, industry, finance and real estate clients with respect to environmental matters.

Mr. Deatherage is an active member of the Patton Boggs Renewable Energy Team comprised of business, policy and regulatory lawyers representing lenders, developers and service providers in the renewable energy sector. He has advised clients on wind and other renewable energy projects, including siting and environmental permits and other legal issues, and has advised clients regarding government and utility incentives relating to renewable and energy efficiency projects.

He also advises clients in the areas of climate change and greenhouse gas regulation, including greenhouse gas reporting, strategies for preparing for potential climate change legislation at the state and federal level, greenhouse gas offsets and carbon credits, environmental and climate change disclosure and the EPA approach to regulating large sources of greenhouse gas emissions under the existing Clean Air Act.

Mr. Deatherage authors two environmental-related blogs where he publishes articles, commentary and analysis of ever-evolving legal issues, policy and developments in environmental law. "Law and the Environment" covers complex, legal and scientific issues relating to law and the environment. "The New Carbon Cycle" covers the law and policy of climate change and greenhouse gas regulation, renewable energy and energy efficiency.

Scott is publishing a book through Oxford University Press entitled *Carbon Trading Law and Practice*. This book discusses climate change, greenhouse gas, carbon trading, and regulatory programs at the international level, and how courts, states, EPA, and Congress have addressed these issues over the last few years. Carbon accounting and climate risk disclosure are also discussed.

Mr. Deatherage earned his J.D., *cum laude*, from Harvard Law School where he was the Staff Editor and Articles Editor for *The Harvard Environmental Law Review*, Staff and

Recent Developments Author, *Harvard International Law Journal*; and Research and Writing Assistant for Professor Laurence H. Tribe for the *Second Edition of American Constitutional Law*. He received his B.A. in Letters from the University of Oklahoma, with highest honors.

Scott D. Deatherage, Patton Boggs LLP, 2000 McKinney Avenue, Suite 1700, Dallas, TX 75201. Phone: (214) 758-1539. Email: sdeatherage@pattonboggs.com.

Jerry M. Eyster
GE Energy Financial Services, Stamford, CT

Jerry Eyster leads GE Energy Financial Services' investment strategy efforts evaluating electric power markets and coal. He serves as GE Energy Financial Services' liaison to GE's corporate team developing public policy positions on various issues, including greenhouse gas regulation, and helps deal teams identify and evaluate investment and financing opportunities.

Mr. Eyster has accumulated more than 30 years of experience analyzing electric power, coal and environmental issues. He has extensive experience in energy and environmental consulting, having worked at Pace Global Energy Services, PA Consulting, PHB/Hagler Bailly, Fieldston Consulting, and ICF. He served as vice president of Corporate Development with A. T. Massey Coal Company and worked in business development at Shell Coal International in London and Scallop Coal in New York. He also worked for the Energy Information Administration as director of the Electric Power Division. In the early 1990s, he served on the EPA Acid Rain Advisory Board helping the agency draft regulations implementing the Acid Rain provisions of the Clean Air Act.

Mr. Eyster graduated from Yale University, where he received a B.A. in Political Science and Economics. He earned a M.B.A. from the Stanford Graduate School of Business.

GE Energy Financial Services' experts invest globally with a long-term view, backed by the best of GE's technical know-how, financial strength and rigorous risk management, across the capital spectrum, in one of the world's most capital-intensive industries, energy. GE Energy Financial Services helps its customers and GE grow through new investments, strong partnerships and optimization of its \$21 billion in assets. GE Energy Financial Services is based in Stamford, Connecticut. For more information, visit www.geenergyfinancialservices.com.

Jerry M. Eyster, Senior Vice President, Investment Strategy, GE Energy Financial Services, 800 Long Ridge Road, Stamford, CT 06927. Phone: 203.357.6923. Email: jerry.eyster@ge.com.

Andrea Bear Field
Hunton & Williams LLP, Washington, D.C.

Andrea Bear Field is the managing partner of the Washington, D.C. office of Hunton & Williams LLP. For the past 35 years, Ms. Field's practice has focused on environmental and administrative law, with an emphasis on representation of clients in federal and state enforcement actions brought by the U.S. Environmental Protection Agency (EPA) under the Clean Air Act, in federal rulemakings and litigation arising under the Clean Air Act, and in a full range of Clean Air Act permitting matters. Most notably, Ms. Field has served as lead counsel for industry in complex litigation in the United States Court of Appeals for the D.C. Circuit in numerous precedential environmental law cases, both challenging and supporting EPA regulatory initiatives. Representative clients of Ms. Field include electric generating companies, chemical companies, pulp and paper mills, coal facilities, refineries, cement-manufacturing facilities, and flexible packaging companies.

Ms. Field's work has garnered her numerous awards and professional recognition. She was the first woman elected to chair the American Bar Association's Environment, Energy and Resources Section (1989-1990). She has been listed in *The Best Lawyers in America* for Environmental Law since 1989; has been listed in *Chamber USA* since 2003; has since 2004 made the list of "Top Lawyers" by *Washingtonian* magazine for her work in environmental law; and was named a "Star of the Bar" in 2005 by the Women's Bar Association of the District of Columbia. Ms. Field has also published numerous articles on Clean Air Act enforcement and new source review issues, including Sharon Daniels' favorite article (presented when Ms. Field spoke at the 20th Annual Institute in 1999): "What EPA's Clean Air Act Regulations Tell the Coal Industry: You're Not Paranoid – We're Really After You." (*20 Energy & Mineral L. Inst.* Chapter 1, (2000).) Ms. Fields spoke most recently for the Foundation in 2007 at the Winter Workshops on Energy Law, where she discussed carbon regulations.

Currently Ms. Field is a member of the Virginia State Bar and D.C. Bar. Ms. Field earned her B.A., *magna cum laude*, from Yale University in 1971 (the first year women earned undergraduate degrees from Yale College); and she earned her J.D. from the University of Virginia School of Law in 1974.

Andrea Bear Field, Hunton & Williams LLP, 1900 K Street, N.W., 12th Floor, Washington, D.C. 20006. Phone: (202) 955-1558 Email: afield@hunton.com.

Sandra L. Flow
Cleary Gottlieb Steen & Hamilton LLP, New York, NY

Sandra L. Flow is a partner in the New York office of Cleary Gottlieb Steen & Hamilton LLP. Ms. Flow's practice focuses on capital markets and corporate governance. She has represented both U.S. and international issuers, as well as underwriters, in a variety of SEC-registered and private securities offerings, as well as domestic and cross-border

listings. She has also participated in the development of new financial instruments and related offerings. Ms. Flow's corporate governance practice includes advising companies on their disclosure obligations and compliance with the Sarbanes-Oxley Act and listing standards of the NYSE and Nasdaq. She has also advised a number of companies on issues relating to financial statement restatements. Ms. Flow has been recognized as a "leading lawyer" for capital markets by the IFLR 1000 Guide to the World's Leading Law Firms. Ms. Flow frequently speaks on corporate governance and capital markets matters. She recently served as a consulting editor of and contributor to *The NYSE IPO Guide* (Caxton, 2010) and co-authored "Not Just Financial Reform: Dodd-Frank's Executive Compensation & Governance Requirements" in *The Corporate Governance Advisor* (Aspen, September/October 2010). She is a member of the Securities Regulation Committee of the New York City Bar Association.

Sandra L. Flow, Cleary Gottlieb Steen & Hamilton LLP, One Liberty Plaza, 45th Floor, New York, NY 10006. Phone: (212) 225-2494. Email: sflow@cgsh.com.

Benjamin G. Hadary
Alpha Natural Resources, Abingdon, VA

Ben Hadary is Vice President and Deputy General Counsel of Alpha Natural Resources, Abingdon, VA, with primary responsibility for corporate governance, securities, merger and acquisition and finance matters. Prior to joining Alpha, Ben was Of Counsel with Holland & Hart in Las Vegas, NV, and has also practiced law in California and Colorado. Ben worked in Costa Rica as a commercial real estate developer and spent two years as a volunteer in the U.S. Peace Corps in The Gambia, where his work included being Assistant Editor for the Gambia's National Council for Law Reporting, reviewing court records and selecting cases for publication in the Gambia Law Reports.

Ben attended Penn State University, graduating with a B.S. in Economics, and received his J.D. with distinction from Stanford Law School, where he served as Book Review Editor for the Stanford Law Review and received the Board of Editors Award. Ben is licensed to practice law in California, Colorado, Nevada and Virginia.

Benjamin G. Hadary, Vice President and Deputy General Counsel, Alpha Natural Resources, One Alpha Place, P.O. Box 2345, Abingdon, VA 24212.
Phone: (276) 623-2905. Email: bhadary@alphanr.com.

Art Holland
Pace Global, Fairfax, VA

Art Holland, Vice President, Pace Global, has over twenty years of experience in the electric power industry advancing the quality of client decisions in highly uncertain energy markets. Working with financial institutions, developers, electric utilities, and industrial clients, Mr. Holland specializes in power market advisory services including electricity price, revenue and dispatch forecasting, resource planning, due diligence

support for structured financing and capital market transactions, power project screening, power system modeling, and power asset valuation. Mr. Holland is directly involved in evaluating regional regulatory and legislative initiatives, analyzing supplier competitiveness, and developing competitive intelligence for market participants.

Art Holland, Vice President, Pace Global, 4401 Fair Lakes Court, Fairfax, VA 22033. Phone: (703) 818-9100. Email: Art.Holland@PaceGlobal.com.

Thomas C. Means
Crowell & Moring LLP, Washington, DC

Thomas C. (“Tim”) Means joined Crowell & Moring LLP (“C&M”) in 1978 and is a partner in the firm’s Natural Resources & Environmental Group. His practice focuses on the federal regulation of the mining industry. C&M has offices in Irvine, Los Angeles and San Francisco, as well as Washington, D.C., New York, Anchorage, London and Brussels.

Tim represents mine operators, mine supervisors, mining equipment manufacturers, and trade associations in MSHA matters, seeking to resolve issues with the agency, through negotiation, interpretation, rulemaking or litigation. He regularly assists mining companies in defending against MSHA special investigations seeking to impose civil and criminal liability, against MSHA discrimination (whistleblower) complaints, and against MSHA enforcement actions, challenging improper MSHA citations and orders and excessive civil penalties.

Tim is listed as one of *The Best Lawyers in America* and is a Trustee and Past President of the Energy & Mineral Law Foundation. He is a member of the Bar of the District of Columbia, and is admitted to practice before most of the United States Courts of Appeals and the United States Supreme Court. Mr. Means is a Phi Beta Kappa graduate of Dartmouth College, with a Masters in Public Administration from the University of Colorado and a law degree with Highest Honors from George Washington University.

Thomas C. Means, Crowell & Moring LLP, 1001 Pennsylvania Avenue, NW, Washington, DC 20004. Phone: (202) 624-2735. Email: tmeans@crowell.com.

Kirsten L. Nathanson
Crowell & Moring LLP, Washington, DC

Kirsten L. Nathanson is a partner in the Washington, D.C. office of Crowell & Moring LLP and a member of the firm's Environment & Natural Resources Group. Her practice focuses on environmental litigation, enforcement defense, risk assessment, and regulatory counseling under the major federal environmental and public lands statutes. Her litigation experience covers the Clean Water Act, Clean Air Act, Endangered Species Act, NEPA, SMCRA, RCRA, and CERCLA, encompassing citizen suit defense, regulatory challenges, remediation cost recovery and defense, Administrative Procedure Act actions, and EPA enforcement.

Her current practice includes defending a natural gas company in a threatened Clean Water Act citizen suit related to operations in the Marcellus shale; representing a coal company in a citizen suit brought under RCRA and SMCRA related to the company's handling and disposal of coal ash; serving as national coordinating counsel to a major industrial corporation in its toxic tort litigation; representing a coal company in litigation under NEPA and other federal public lands law related to future operations in the Powder River Basin; representing a corporation at the Berry's Creek Study Area, a complex multi-party contaminated sediment CERCLA site; litigation for the National Mining Association against EPA and the Corps of Engineers under the APA, Clean Water Act, NEPA, and SMCRA challenging the Enhanced Coordination Process and Detailed Guidance directed toward eastern U.S. coal mining operations; and serving as Clean Water Act regulatory and litigation counsel to multiple national trade associations serving agriculture and forestry.

Kirsten currently serves as the President of the Energy & Mineral Law Foundation and also leads the Crowell & Moring Women Attorneys' Network. She obtained her B.A. *cum laude* from the University of Pennsylvania and her J.D. with high honors from the George Washington University Law School, where she was an editor on the Law Review and a member of The Order of the Coif.

Kirsten L. Nathanson, Crowell & Moring LLP, 1001 Pennsylvania Avenue, NW, Washington, D.C. 20004-2595. Phone: 202.624.2887. Email: knathanson@crowell.com.

**Joseph G. Pizarchik, Director
Office of Surface Mining Reclamation and Enforcement
U.S. Department of the Interior**

Joseph G. Pizarchik is the 10th Director of the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement.

Prior to joining OSMRE, Mr. Pizarchik served more than 17 years with the Pennsylvania Department of Environmental Protection (PADEP), rising to Assistant Director in the Bureau of Regulatory Counsel before his appointment as Director of the Bureau of Mining and Reclamation. While at PADEP, he co-authored Pennsylvania's Environmental Good Samaritan Act, helped develop Pennsylvania's program for volunteers to clean up abandoned coal refuse sites and provided key legal support in the development of Pennsylvania's program for mine operators to establish trust funds to meet their financial obligation to perpetually treat the discharges caused by their mining. Mr. Pizarchik is also credited with helping clear the way for the sale of private mining property to the Families of Flight 93 to enable the construction of the memorial.

Mr. Pizarchik began his public service working as legal counsel with the Pennsylvania Department of Transportation, dealing with contracts, mass transit, aviation, contractor qualifications, and minority business enterprises. The product of a rural Pennsylvania farm, Mr. Pizarchik's experience with mining began early, as family members worked in

the coal industry. Mr. Pizarchik earned a B.A. from the Pennsylvania State University and a law degree from the University of Arkansas at Little Rock School of Law.

Joseph G. Pizarchik, Director, Office of Surface Mining Reclamation and Enforcement, U.S. Department of the Interior, 1951 Constitution Avenue, N.W., Washington, DC 20240. Phone: (202) 208-4006.

David G. Ries
Thorp Reed & Armstrong, LLP, Pittsburgh, PA

David G. Ries is a partner in the Pittsburgh, Pennsylvania, office of Thorp Reed & Armstrong, LLP, where he practices in the areas of environmental, commercial and technology litigation. He chairs his firm's E-Discovery and Records Management Group. He is a Past President of the Energy & Mineral Law Foundation and served two terms as a member and chair of a hearing committee for the Disciplinary Board of the Supreme Court of Pennsylvania. Dave received his B.A. from Boston College in 1971 and his J.D. from Boston College Law School in 1974 where he was a member of the *Boston College Industrial and Commercial Law Review*.

His environmental practice over the last 35 years has included a broad range of issues in federal and state courts and before administrative agencies, including CERCLA litigation, Clean Water Act litigation, solid and hazardous waste issues, Clean Air Act litigation, storage tank litigation, court and administrative challenges to regulatory programs and defense of penalty actions. His technology practice has included a variety of litigation matters, including major systems implementations, and advising clients on a number of technology law issues such as hardware and software agreements, domain name disputes, information security, privacy regulations, records management and electronic contracting. He has regularly represented energy companies.

Dave has frequently spoken and written on environmental, technology, and ethics issues for legal, academic and professional groups including the EMLF, the American Bar Association, the Association of Corporate Counsel, the Pennsylvania Bar Institute, Carnegie Mellon University, Duquesne University, the American Academy of Forensic Sciences, and the National Groundwater Association.

Some of his recent ethics presentations for EMLF include an annual *Ethics Update*, *Attorneys and Clients in Conflict*, *E-Discovery Ethics: Staying Out of the Briar Patch*, and *Multijurisdictional Practice: Lawyering Here, There and Everywhere*.

David G. Ries, Thorp Reed & Armstrong, LLP, One Oxford Centre, 301 Grant Street, Floor 14, Pittsburgh, PA 15219. Phone: (412) 394-7787. Email: dries@thorpreed.com.

Patrick Robertson
C2 GROUP, Washington, DC

Patrick Robertson is a Partner in the firm and focuses mainly on energy, communications, trade, transportation and tax. Prior to joining C2 GROUP, Patrick served on the staff of Senator Jay Rockefeller (D-WV) for nine years, the last five as Deputy to the Chief of Staff. He also served as Campaign Manager for Senator Rockefeller's 2008 re-election campaign.

During his time on Capitol Hill, Patrick helped the Senator distill and attack problems and shaped solutions on a wide spectrum of issues from economic development to the complexities of the tax code. He worked closely with the Finance Committee on tax bills, trade policy and Trade Adjustment Assistance issues. In addition, he tackled telecommunications and transportation issues on the Senate Commerce Committee. Patrick also worked with the Senate Select Committee on Intelligence on translating its enormously important and classified work to a broader audience. He worked closely with state officials across West Virginia on large-scale projects and development, such as the West Virginia Summit on Homeland Security, plant relocations and openings, and on trade missions both overseas and here in the US.

Patrick is a graduate of American University's Washington College of Law and the University of Pittsburgh.

Patrick Robertson, C2 GROUP, Liberty Place, 325 7th Street NW, Suite 400, Washington, DC 20004. Phone: (202) 567-2900. Email: Robertson@thec2group.com.

Ray N. Walker, Jr.
Range Resources Corporation, Canonsburg, PA

Ray N. Walker, Jr., Senior Vice President – Marcellus Shale, joined Range in 2006 and was elected to his current position in February 2010. Previously, Mr. Walker served as Vice President – Marcellus Shale, where he led the development of the Company's Marcellus Shale division. Mr. Walker is a Registered Petroleum Engineer with more than 35 years of oil and gas operations and management experience, having previously been employed by Halliburton in various technical and management roles, Union Pacific Resources and several companies in which Mr. Walker served as an officer. Mr. Walker has a Bachelor's degree of Science, with honors, in Agricultural Engineering from Texas A&M University.

Mr. Walker was a founder of and is the current Chairman of the Marcellus Shale Coalition representing over 40 producer members that represent 100% of the Marcellus activity in Pennsylvania. Mr. Walker has played an instrumental role in modernizing and shaping many regulatory and legislative statutes over the past 3 years.

Ray N. Walker, Jr., Senior Vice President – Marcellus Shale Division, Range Resources Corporation, 380 Southpointe Blvd., Suite 300, Canonsburg, PA 15317. Phone: (724) 743-6700. Email: rwalker@rangeresources.com.

Joseph J. Zaluski
ECSI, LLC, Lexington, KY

Mr. Zaluski serves as Executive Vice President of ECSI, LLC where he is responsible for the management of environmental and mining projects. Prior to joining ECSI, Mr. Zaluski served as Co-Chair of the Mineral and Energy Law Practice Group and Chair of the Regulatory Compliance Subgroup for Wyatt, Tarrant & Combs, LLP. His law practice was concentrated in all areas of mineral and environmental regulation, litigation, and administrative practice including SMCRA, CERCLA, and TSCA. He was named to Woodward/White's *The Best Lawyers in America*® during his time at the law firm.

Prior to joining Wyatt Tarrant & Combs, LLP, Mr. Zaluski served as senior attorney for the Kentucky Natural Resources and Environmental Protection Cabinet where he was active in the drafting of the Kentucky Surface Mining statute and associated regulations. He has served as an adjunct professor of environmental and mineral law at Chase Law School in Northern Kentucky and as a guest lecturer at the University of Kentucky College of Law.

Mr. Zaluski received his J.D. from the University of Kentucky College of Law and his B.S., Biology and Psychology, from Transylvania University. He is a member of the Kentucky State Bar and the Wyoming State Bar and is admitted to practice before the U.S. Supreme Court.

He is a Past President and Trustee of the Energy & Mineral Law Foundation. Mr. Zaluski is a member of the Kentucky Coal Association, the American Council of Engineering Companies of Kentucky, the Transylvania Alumni Executive Board, Coal Operators & Associates, and the Rocky Mountain Mineral Law Foundation – Society of Antiquarians.

Joseph J. Zaluski, Executive Vice President, ECSI, LLC, 340 S. Broadway, Suite 200, Lexington, KY 40508. Phone: (859) 233-2103. Email: jzaluski@engrservices.com.

Michael Zenker
Barclays Capital, San Francisco, CA

Michael Zenker is a Managing Director in Commodities Research at Barclays Capital. Based in San Francisco, Mr. Zenker is responsible for the firm's research covering North American electric power, natural gas and global LNG.

Mr. Zenker has over 20 years' experience in the energy industry, including experience in both the gas and power sectors. Prior to joining Barclays Capital in 2007, Mr. Zenker was

a Managing Director at Cambridge Energy Research Associates, where he led the Global Gas and Global Power research teams. Prior to that role, Mr. Zenker led the gas and power trading organization for Southern California Edison, where he was responsible for gas and power trading, pipeline and storage asset management, contract management, and power plant dispatch.

Mr. Zenker holds an M.B.A. degree and a Bachelor of Science degree in nuclear engineering from the University of California.

Michael Zenker, Managing Director, Commodities Research, Barclays Capital, 555 California, 30th Floor, San Francisco, CA 94104. Phone: (415) 374-5488. Email: Michael.Zenker@barclayscapital.com.