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ORGANIZED BY THE GREAT PLAINS INSTITUTE AND BIPARTISAN POLICY CENTER

Speakers

**Implementation Options
for EPA's Proposed
Clean Power Plan:
A Midcontinent States
Regional Workshop**

Welcome and Overview



Doug Scott is Vice-President for Strategic Initiatives at the Great Plains Institute (GPI). In that role, Scott works on issues involving climate strategy and regulatory response; carbon capture, sequestration and usage; and issues involving the changing utility business model. Before joining GPI in February of 2015, Scott served as Chairman of the Illinois Commerce Commission, and prior to that as Director of the Illinois Environmental Protection Agency. Scott's public service also includes a term as Mayor of Rockford, Illinois; three terms as an Illinois State Representative; and ten years as an attorney for the City of Rockford Legal Department. Scott earned a B.A. with honors from the University of Tulsa, and a J.D. with honors from Marquette University. ■



G. Vinson (Vince) Hellwig is the Michigan Agency for Energy Senior Air Policy Advisor and served as Michigan DEQ Air Quality Division Chief for the past twelve years. Prior to joining the MDEQ, Mr. Hellwig was with the United States Environmental Protection Agency (EPA), Office of Air Quality Planning and Standards, in Research Triangle Park, North Carolina.

Other work experiences include: Senior Vice President and National Air Programs Director with TRC Environmental, Inc.; Senior Vice President with TRC Process Engineering, Inc.; and Senior Vice President and National Air Program Director with Metcalf & Eddy.

Prior experience includes working for EPA Region 4; the Alabama Department of Environmental Management, Air Division; and private industry.

Mr. Hellwig is Past Co-President (representing states) of the National Association of Clean Air Agencies (NACAA) and serves on the Board of Directors of The Climate Registry and Lake Michigan Air Directors Consortium (LADCO). Also a member of the EPA Clean Air Act Advisory Committee (CAAAC).

Mr. Hellwig has extensive experience in all areas of air quality implementation and permitting. Mr. Hellwig serves in the Michigan Department of Environmental Protection Senior Executive Service with management experience and regulatory compliance issues. He also served as Senior Project Manager on a number of air projects including Title V emission inventories and permit development, emissions measurements, PSD permitting, RCRA, SARA Title III reporting, and control equipment engineering. Mr. Hellwig holds a Bachelor of Science degree from Shorter University and performed graduate studies at Clemson University and Auburn University. ■

Keynote Speaker



Valerie J.M. Brader is the Executive Director of the Michigan Agency for Energy. Her service with the administration began in 2011 and prior to this role, she served as Deputy Legal Counsel and Senior Policy Advisor, including work on the City of Detroit bankruptcy case. Before her service in state government she was a member (partner) at Bodman PLC, practicing primarily environmental and corporate law (with a specialization in assisting new or expanding businesses, from incorporation to securing permits and tax credits). A Rhodes Scholar and published author in both the legal and scientific presses, Brader previously worked as the career law clerk for the Hon. John Feikens of the Eastern District of Michigan, as an environmental consultant to the EPA and Department of Defense, and for Gov. Phil Batt (R-Idaho) on environmental and natural resource issues. Brader, who was the youngest person in the country to be selected to assist a federal court under the “Special Master” rule, was selected by Crain’s Detroit Business as one of the “40 under 40” in Metro Detroit, by Michigan Lawyer’s Weekly as a “rising star,” and by the Joyce Ivy Foundation as its Leader of the Year.

Brader received her AB magna cum laude in government from Harvard and Radcliffe Colleges, has two masters degrees from the University of Oxford (an MSc in Environmental Change and Management and an MSt in Historical Studies), and a J.D. magna cum laude from Georgetown Law Center. Brader was the past winner of the Harvard College Women’s Leadership Award and was first-runner up in the Pacific Legal Foundation’s national writing competition. Brader served as an officer of the Women’s Caring Program, Harvard Club of Eastern Michigan and Trinity Evangelical Lutheran Church. ■

PANEL I: Policy Pathways for States



MODERATOR:

Jennifer Macedonia is a senior advisor to the Bipartisan Policy Center (BPC), and has served in this capacity since

2009 for both the National Commission on Energy Policy and BPC’s Energy Project. She has 20 years experience in energy and environmental policy and expertise in market-based instruments to spur technological innovation. Macedonia leads economic analysis and advises states, including the Midcontinent States Energy and Environmental Regulators (MSEER), on designing effective policies to address the challenges of a transitioning power sector. As an independent consultant focusing on the nexus of policy, engineering, and economics, Macedonia advises clients on strategy and policies for the power, transportation, and industrial sectors. Formerly with the United States Environmental Protection Agency (EPA), Macedonia served as an expert on the U.S. delegation to international climate negotiations for four years. At EPA, she also helped shape the development and implementation of market-based programs to reduce air pollution from the power sector, including the Acid Rain SO₂ Trading Program. Macedonia has a Bachelor of Science in Mechanical Engineering. ■

PANEL I: Policy Pathways for States



Skiles Boyd, 59, is vice president of environmental management and resources at DTE Energy (NYSE:DTE), a Detroit-based diversified energy company involved in the development and management of energy-related businesses and services nationwide. Its operating units include an electric utility serving 2.1 million customers in Southeastern Michigan and a natural gas utility serving 1.2 million customers in Michigan. The DTE Energy portfolio also includes non-utility energy businesses focused on power and industrial projects, natural gas pipelines, gathering and storage, and energy marketing and trading.

Boyd is responsible for managing the company's environmental issues which include setting environmental policy, representing the company on environmental issues with the public and in environmental regulatory and legislative development, coordinating environmental studies and conducting environmental audits. He manages a department of approximately 72 people. Boyd has worked in DTE's environmental department for over 30 years.

Boyd earned a bachelor of science degree in environmental resource management from Pennsylvania State University and a master of business administration degree from Wayne State University.

Boyd is active on the Research Advisory and Environmental Councils of the Electric Power Research Institute, the Conference Board's Chief Environmental Health and Safety Officers' Council (Vice Chair), the Air and Waste Management Association, the Business Environmental Leadership Council of the Center for Climate and Energy Solutions, the environmental committees of the Edison Electric Institute, and

the American Coalition for Clean Coal Electricity. He is also on the board of the Council of Great Lakes Industries, and the Southeast Michigan Sustainable Business Forum. ■



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 originally joined AEP in 1997 as senior vice president – analysis for AEP Energy Services, an AEP subsidiary. He was named vice president – strategic policy analysis in 2002. Braine has a bachelor's degree from Brown University and a master's degree in business administration from Stanford University, where he graduated from Stanford's Public Management Program.

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

Braine serves as chairman of the International Emissions Trading Association (IETA), chairman of EPRI's Global Climate Change Area Council, on the EEI Strategic Issues Committee and EEI Economic and Public Policy Executive Advisory Committee. He was formerly on the Board of Directors of the Chicago Climate Exchange. He is also a former chairman of the pension committee of the United Way in Central Ohio. ■

PANEL I: Policy Pathways for States (continued)



Kevin Leahy, Director – Environmental and Energy Policy, is responsible for the firm’s renewable, energy efficiency and new technology policies and was the policy lead for climate from 2004-2011. He represents the company in policy discussions with other firms, stakeholder groups and energy policy experts and was the firm’s lead representative to the USCAP climate policy negotiations. Earlier, Mr. Leahy managed price forecasting for the firm’s trading business and led the formation of the company’s renewable energy strategy. Previously he worked at Cummins in finance and international business development. He also served with the Peace Corps for five years as a Volunteer in Honduras and staff member in Albania.

Mr. Leahy holds degrees in mechanical engineering from Purdue, an MBA with finance concentration from Indiana University and an MPA from Harvard’s Kennedy School where he studied energy and environmental policy. ■



Mary Jo Roth is Manager of Environmental Services for Great River Energy (GRE), a generation and transmission electric cooperative owned by 28 member cooperatives. She is responsible for GRE’s environmental program including policy development, regulatory interpretation, permitting, and compliance. GRE provides electricity through a diverse generation mix that consists of baseload and peaking power plants including coal, refuse-derived fuel, natural gas and fuel oil, as well as wind generation. GRE is the second largest power supplier in Minnesota. Ms. Roth serves on the Board of Directors, Environmental Initiative and is its most recent Chair. She has also held past positions as President, National Rural Electric Environmental Association, and Chair, Environment & Natural Resources Policy Committee of the Minnesota Chamber of Commerce. Ms. Roth has a Juris Doctor degree from William Mitchell College of Law and a Bachelors degree from University of St. Thomas. ■



Rebecca Stanfield is the Deputy Director for Policy of NRDC’s Midwest Program. She has twenty-one years of experience in energy policy advocacy and non-profit management. Since July 2008, Stanfield has led NRDC’s Midwest clean energy advocacy in a five-state regional footprint, with a goal of transforming electric utility rate and resource acquisition policies to spur a shift from fossil fuels to energy efficiency and renewable energy resources. She was the 2013 recipient of the C3E policy and advocacy award, given each year by MIT and DOE to one mid-career woman in clean energy. ■

PANEL II: Opportunities and Challenges for Multistate Collaboration



MODERATOR:

Franz Litz brings 20 years' experience on energy and environmental law and policy matters in government, business and non-governmental organizations to his work advising state officials, industry and non-profit organizations. Franz is an expert on the federal Clean Air Act. Before joining Great Plains Institute as a consultant, Franz was Executive Director of the Pace Energy & Climate Center, a legal and policy think tank, and a senior fellow with the climate and energy program at the World Resources Institute, a policy think tank. His government experience includes a stint as an air and energy attorney, followed by 4 years leading the development of the Regional Greenhouse Gas Initiative (RGGI) for the New York State Department of Environmental Conservation. Before entering government service, Franz practiced corporate environmental and energy law in Boston. Franz currently advises the Great Plains Institute in connection with its work with the Midwestern Power Sector Collaborative, an effort by utilities, cooperatives, merchant generators, environmental groups and state officials to develop a Midwestern approach to reducing carbon dioxide emissions from power plants. ■



Nicholas Martin serves as Manager, Environmental Policy for Xcel Energy. He has 15 years of experience in environmental policy, natural resource management, and carbon policy, protocols and projects. He is the lead carbon policy expert for Xcel Energy's five-state Northern States Power operating company, focused on preparing for EPA Clean Power Plan compliance, state policies to promote renewable

energy and reduce GHG emissions, integrated resource planning, and valuation of environmental externalities. Prior to joining Xcel Energy, he supervised terrestrial carbon sequestration projects and research for Winrock International, a non-profit organization recognized for its work on GHG reduction globally, and served as Chief Technical Officer developing carbon accounting protocols for the American Carbon Registry, the United States' first voluntary carbon registry and one of the approved offset project registries for the California cap-and-trade market. Mr. Martin holds an M.S. in Energy & Resources from the University of California at Berkeley and a B.A. in Music from Yale University. ■



Todd Ramey is responsible for MISO's Real Time Operations, overseeing day-to-day transmission and generation dispatch processes – ensuring efficient and reliable grid operations. Additionally, Mr. Ramey is responsible for MISO's market development and analysis activities, including oversight of Reliability Coordination, Operations Engineering, Generation Dispatch, Unit Commitment, EMS Support, Operator Training, Market Design, Market Analysis, and Operations Compliance.

Mr. Ramey played a central role in the development and launch of MISO's energy markets in 2005 and in the deployment of the ancillary services market in 2009. He has since led efforts to continuously improve MISO's markets and operations. As a leader of MISO stakeholder activities related to market design and function, Mr. Ramey secured stakeholder support for many market enhancements.

Mr. Ramey came to MISO in 2001 from the Indianapolis Power & Light Company, where he served as Director, Power Marketing &

PANEL II: Opportunities and Challenges for Multistate Collaboration (continued)

Generation System Operations. Mr. Ramey has more than 26 years of experience in the areas of wholesale market design, wholesale market administration, and generation and transmission system operations.

Mr. Ramey earned a Bachelor of Science degree in Mechanical Engineering from Purdue University and a Master of Business Administration degree from Butler University. ■



Since 1997, **Conrad Schneider** has worked as Advocacy Director of the Clean Air Task Force, a nonprofit organization dedicated to restoring clean air and healthy environments through scientific research, public education, and legal advocacy. His practice includes work in federal and state legislative and administrative arenas and courts. Mr. Schneider is an Adjunct Lecturer in Environmental Law and Policy at Bowdoin College, Brunswick, Maine. He serves as a member of the Board of Directors of the Center for Clean Air Policy in Washington, D.C.

Prior to his involvement with CAFE, Mr. Schneider served as Air Project leader with the Natural Resources Council of Maine where his duties included air, energy, and transportation-related advocacy. A former civil rights attorney with the U.S. Department of Justice, Mr. Schneider served as law clerk for the Honorable Robert H. Hall, United States District Court for the Northern District of Georgia (Atlanta Division). He holds a Juris Doctor from the University of Virginia School of Law and a Bachelor of Arts in Political Science and History from the University of North Carolina at Chapel Hill. ■



Michael Schnitzer is a Director of The NorthBridge Group. He has over 25 years of experience in management consulting to clients in energy

industries, with a primary focus on the electricity industry. Working with utility and non-utility clients, he has developed initiatives in strategy, marketing, pricing, regulatory relations, and generation investment. He also has broad experience in the transition to competitive wholesale and retail electricity markets and has developed and evaluated numerous electricity restructuring proposals.

Mr. Schnitzer has been an expert witness in a number of regulatory proceedings involving electric industry restructuring, utility supply planning, default service design and environmental issues. He has testified before the Federal Energy Regulatory Commission on issues relating to competitive restructuring and wholesale market design, including Locational Marginal Pricing and Financial Transmission Rights, Regional Transmission Organizations, standard market design, resource adequacy, and transmission expansion pricing policy. On several occasions he has been invited by FERC staff to participate as a panelist in technical conferences on market design issues.

He is a former adjunct research fellow at the Energy and Environmental Policy Center, John F. Kennedy School of Government, Harvard University. Before joining NorthBridge, Mr. Schnitzer was a Managing Director at Putnam, Hayes & Bartlett, Inc., where he co-directed the firm's regulated industry practice.

Mr. Schnitzer received an A.B. in chemistry, with honors, from Harvard University, and an M.S. in management from the Sloan School, Massachusetts Institute of Technology. ■

PANEL II: Opportunities and Challenges for Multistate Collaboration (continued)



Cathy Woollums is the Senior Vice President, Environmental and Chief Environmental Counsel for Berkshire Hathaway Energy and is responsible for the development and implementation of the company's worldwide corporate environmental policy, strategy and programs; oversight of the organization's environmental compliance assurance management activities and systems; environmental permitting, monitoring and reporting; and support of the company's environmental litigation. Ms. Woollums has served as an environmental policy witness in regulatory proceedings seeking cost recovery of investments in emissions controls and has testified before the U.S. Senate Environment and Public Works Committee regarding costs of compliance with EPA regulations.

Ms. Woollums received her B.A. in Political Science from Winona State University, her J.D. from Drake Law School, and is licensed to practice law in Iowa and Illinois. Ms. Woollums has served on the Iowa State Bar Association's Environmental and Natural Resources Section Council, the Edison Electric Institute's Environment Executive Advisory Committee, the Iowa Climate Change Advisory Council, and the Interstate Natural Gas Association of America's Board of Directors Greenhouse Gas Task Force. She has more than 24 years' experience in environmental matters, and served several terms as chair of the Iowa Association of Business and Industry's Environmental Committee, and two terms as the governor's appointee to the Clean Air Act Compliance Advisory Panel.

Ms. Woollums joined the company in 1991 as an associate attorney and has served in various legal and environmental roles. She previously served as a law clerk to the judges in the Seventh Judicial District of Iowa and was a litigation attorney in private practice. ■

Keynote Speaker



Mark Rupp serves as the Deputy Associate Administrator for Intergovernmental Relations at U.S. EPA where he oversees State and Local Relations, State Partnerships, and Regional Operations. Mark joined EPA after having served as the Director of former Washington Governor Chris Gregoire's Washington, DC office. Previously, Mark worked as Governor Gregoire's Health and Human Services Policy Advisor in Olympia, Washington; served as Legislative Counsel to U.S. Senator Maria Cantwell (WA) in Washington, DC; and held staff positions in the Washington State House of Representatives. Mark is an attorney with a Bachelor of Science degree in Environmental Policy and Assessment. ■

Panel III: Achieving State Goals in the Midcontinent Region



MODERATOR: Brad Crabtree joined the Great Plains Institute in 2002 and is a Vice President. Brad currently manages the Institute's fossil

energy projects in carbon capture and storage, power generation and unconventional oil and gas production. He co-directs the National Enhanced Oil Recovery Initiative, a national coalition of energy, industrial and technology companies, labor unions, environmental organizations and state officials working to expand the capture of carbon dioxide for use in domestic oil production. Brad previously coordinated energy policy advisory groups for the Midwestern Governors Association and facilitated the Midwestern Greenhouse Gas Reduction Accord Advisory Group for six governors and the Manitoba premier. He also co-directed Powering the Plains, GPI's original flagship project that developed a comprehensive, 50-year regional blueprint for energy efficiency, renewable energy and advanced coal technologies. Brad has organized multiple overseas energy policy and technology delegations for public and private-sector leaders from the Midwest and nationally. Prior to GPI, he was project director at the Consensus Council in Bismarck, ND, managing regional flood mitigation and resource management projects. Brad was recently appointed by U.S. Secretary of Energy Ernest Moniz to serve on the National Coal Council, which prepares studies and makes recommendations to the Secretary on coal and the coal industry. He ranches with his wife and daughter in North Dakota, where he was a state-wide candidate for Public Service Commissioner in 2010 and 2012. A graduate of the Georgetown School of Foreign Service, Brad has an MA in history from Johns Hopkins University. ■



Kathleen L. Barrón is Senior Vice President, Federal Regulatory Affairs and Wholesale Market Policy, for Exelon Corporation. In that

role, she oversees Exelon's management of federal regulatory policies and strategies and is responsible for identifying and assessing key policy issues of interest to Exelon, crafting the company's position on such issues, and developing strategies for achieving Exelon's public policy objectives. She also is responsible for managing the company's wholesale market design advocacy in each of the regional markets where the company operates. Prior to joining Exelon, Barrón was the Deputy General Counsel at the Federal Energy Regulatory Commission (FERC), where she advised the Commission on all aspects of its responsibilities and represented the Commission before Congress, government agencies, and industry groups. Previously, Barrón was the FERC's associate general counsel for energy markets, where she led a group of about 90 lawyers on legal and policy matters related to electric power sales and transportation, electric system reliability, corporate regulation of public utilities and natural gas and oil pipeline transportation. Prior to joining FERC, Barrón was in private practice with the law firm Skadden, Arps, Slate, Meagher and Flom LLP. There, she represented utility and independent power producer clients in proceedings before FERC, U.S. Courts of Appeal, and state utility commissions. Barrón, 44, is married with three children. ■

Panel III: Achieving State Goals in the Midcontinent Region (continued)



Steve Corneli is NRG Energy's Senior Vice President for Policy and Strategy. He oversees NRG's strategic sustainability and policy initiatives, with a primary focus on clean technologies and sustainable enterprises. Steve has previously served as NRG's Senior Vice President of Market and Climate Policy, where he was responsible for NRG's climate change and related policy efforts, as NRG's Vice President of Regulatory and Government Affairs, and as Director of Regulatory Policy. He is a member of the board of the Climate Action Reserve, a premier US certifier of greenhouse gas offset methodologies.

Prior to joining NRG, Steve served in the Minnesota Attorney General's office as an energy policy analyst and then as the manager of the office's utility consumer advocate division. He also has worked at the law firm of Leonard, Street and Deinard on behalf of utility and independent power producer clients, and was an adjunct faculty member of the University of Minnesota's Humphrey Institute of Public Affairs. Earlier in his career, he operated a 600 acre family farm in Wisconsin for more than a decade.

Steve has a Master's degree in public affairs from the Humphrey Institute with a concentration in energy, environment and technology policy, and has taken coursework in the University of Minnesota's doctoral program in Applied Economic. He has a Bachelor of Arts degree from St. John's College. ■



Steve Frenkel is the Midwest office director for the Union of Concerned Scientists (UCS). He manages programs and projects aimed at addressing climate change and promoting

clean energy solutions. Mr. Frenkel oversees UCS's activities throughout the region, including research, analysis, and policy advocacy work.

Prior to joining UCS, he served as the Midwest regional director for Renewable Funding, LLC, which develops solutions for renewable energy and energy efficiency financing. Mr. Frenkel also served as the chief policy advisor at the Illinois Environmental Protection Agency where he helped direct the state's climate change policy and oversaw the agency's energy initiatives.

Prior to joining Illinois EPA he served as the deputy chief of staff in the Illinois Governor's office where he directed the state's energy, environmental, and economic development policy.

Mr. Frenkel earned a B.A. in urban studies at Macalester College, a Master in business administration at the University of Chicago, and a Master in public policy at the University of California, Berkeley. ■



Charles Griffith, Climate and Energy Program Director, Ecology Center - Charles has more than 20 years of experi-

ence in research and advocacy on clean energy solutions, including work in both the transportation and energy sectors. He is currently working to advance implementation strategies in Michigan and the Midwest for the EPA's Clean Power Plan, as well as other strategies to encourage more rapid adoption of energy efficiency and low-carbon energy generation. Charles has served on a variety of national, state and regional energy and climate-related initiatives, and is currently a member of the Midwest Power Sector Collaborative, a multi-stakeholder effort focused on developing creative approaches to implementing the Clean Power Plan. ■

Closing Remarks



John D. Quackenbush was appointed by Governor Rick Snyder to serve as Chairman of the Michigan Public Service Commission on Sept.

15, 2011. His term ends July 2, 2017. Prior to his appointment, Chairman Quackenbush worked for UBS Global Asset Management for 10 years, most recently as managing director and senior investment analyst responsible for equity research for the transportation, utilities and coal industries in the U.S. and Canada. He previously worked as manager of the Sprint Corporation Treasury Department and Sprint Corporation Local Telecom Division. Before that, he served in several senior financial analyst roles with the Illinois Commerce Commission. Chairman Quackenbush was named a Top Gun U.S. Industrials Investment Mind in 2011 by Brendan Wood International.

He earned certification as a Chartered Financial Analyst (CFA) in 1993 and is a member of the CFA Institute and CFA Society of Chicago. He previously served as a board member of the Society of Utility and Regulatory Financial Analysts. He earned a bachelor's degree in business economics from Calvin College and a master of business administration degree with a concentration in finance from Michigan State University. Chairman Quackenbush is a member of the National Association of Regulatory Utility Commissioners and serves on several committees including the Committee on Gas, the Committee on Consumer Affairs, and the Subcommittee on Pipeline Safety. Chairman Quackenbush is also a member of the Advisory Council for the Gas Technology Institute, and was appointed to the Technical Hazardous Liquid Pipeline Safety Standards Committee of the U.S. Department of Transportation. ■



**GREAT PLAINS
INSTITUTE**

Better Energy.
Better World.

The Great Plains Institute is a non-partisan, non-profit organization that convenes and helps diverse interests forge agreement on solutions to our most important energy challenges. Engaging partners and stakeholders at national, regional, state and community levels, our programs span a range of key priorities, including energy efficiency, energy infrastructure and markets, fossil energy, renewable energy, and transportation.



BIPARTISAN POLICY CENTER

Founded in 2007 by former Senate Majority Leaders Howard Baker, Tom Daschle, Bob Dole, and George Mitchell, the Bipartisan Policy Center (BPC) is a nonprofit organization that drives principled solutions through rigorous analysis, reasoned negotiation, and respectful dialogue. With projects in multiple issue areas, BPC combines politically balanced policymaking with strong, proactive advocacy and outreach.