



## The ECOS Shale Gas Caucus (SGC)

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**AGENDA**  
**ECOS Spring Meeting**  
**Monday, April 11, 2016 – 7:30 – 8:45 a.m.**  
**103C**  
**Music City Center**  
**Nashville, Tennessee**

*Continental breakfast may be taken into the session. After focusing initially on air and methane issues, the SGC now adds water to its portfolio. The caucus kicks off this work with a discussion of "What Commissioners Need to Know about Alternative Management Strategies for Water Produced from Oil and Gas Wells." A variety of state partners will participate.*

**7:30 – 7:35 a.m. Welcome and Introduction**

- ❖ ECOS President Martha Rudolph, Director of Environmental Programs, Colorado Department of Public Health and Environment, and David Glatt, Chief, Environmental Health Section, North Dakota Department of Health, SGC Co-Chairs

**7:35 – 7:40 a.m. Remarks on the Value of Partnerships**

- ❖ Mike Smith, Executive Director, Interstate Oil and Gas Compact Commission

**7:40 – 8:25 a.m. Overview of Produced Water Issues by SGC Project Partners**

- ❖ Scott Anderson, Senior Policy Director, U.S. Climate and Energy Program, Environmental Defense Fund (15 minutes)
- ❖ Roy Hartstein, Vice President, Strategic Solutions, Southwestern Energy Company (10 minutes)
- ❖ Teresa Marks, Principal Advisor to the Administrator for Unconventional Oil and Gas, U.S. Environmental Protection Agency (10 minutes)
- ❖ Marni Lenahan, Energy Industry Analyst, U.S. Department of Energy (10 minutes)

**8:25 – 8:45 a.m. Input, Questions, and Answers, led by Martha Rudolph and David Glatt**

**8:45 a.m. Call to Adjourn, Martha Rudolph and David Glatt**



## The Nexus between Environment and Public Health

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**AGENDA**  
**ECOS Spring Meeting**  
**Monday, April 11, 2016 – 11:00 a.m. – 12:15 p.m.**  
**104 A-D**  
**Music City Center**  
**Nashville, Tennessee**

*This dynamic discussion will focus on techniques and approaches for enhancing partnerships between environmental regulators and public health professionals. Examples will be shared to show how decision-making and outcomes can be improved through these collaborations. The session will include the signing of a Memorandum of Agreement on Public and Environmental Health Initiatives by U.S. EPA, ECOS, and ASTHO.*

**11:00 – 11:05 a.m. Welcome and Introductions**

- ❖ Martha Rudolph, Director of Environmental Programs, Colorado Department of Public Health and Environment, and ECOS President

**11:05 a.m. –  
12:15 p.m.**

**Discussion**

- ❖ Dr. Edward Ehlinger, Commissioner of Health, Minnesota Department of Health, and President, Association of State and Territorial Health Officials
- ❖ Dr. Thomas Burke, Deputy Assistant Administrator and Science Advisor, U.S. EPA Office of Research and Development
- ❖ Richard Opper, Director, Montana Department of Public Health and Human Services, and Former ECOS President

**12:15 p.m.**

**Call to Adjourn, Martha Rudolph**



## Partnerships to Advance Air Quality: Focus on Ozone and Regional Haze

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**AGENDA**  
**ECOS Spring Meeting**  
**Monday, April 11, 2016 – 1:30 p.m. – 2:30 p.m.**  
**104 A-D**  
**Music City Center**  
**Nashville, Tennessee**

*Under U.S. EPA's recent tightening of the national ambient air quality standards (NAAQS) for ozone, state recommendations on nonattainment area designations are due in October. The agency also plans to finalize a rule by the end of the year updating its regional haze program and already is taking local action in many states. This roundtable will center on strategies states are pursuing to address the new ozone NAAQS and regional haze requirements.*

**1:30 – 1:35 p.m. Welcome and Introductions**

- ❖ Bryan Shaw, Chairman, Texas Commission on Environmental Quality, Air Committee Chair

**1:35 – 2:30 p.m. Roundtable Discussion**

- ❖ This discussion will center on strategies states are pursuing to address the new ozone NAAQS and regional haze requirements with a focus on public-private partnerships. U.S. EPA Acting Assistant Administrator for Air and Radiation Janet McCabe will be the Air Committee guest during this discussion, and state leaders will highlight success stories and lessons learned regarding public private-partnerships as strategies for pursuing air quality improvements.

**2:30 p.m. Call to Adjourn, Bryan Shaw**



## Restoring Urban Waters to Bring Economic and Environmental Vitality Downtown

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**AGENDA**  
**ECOS Spring Meeting**  
**Tuesday, April 12, 2016 – 9:00 – 10:15 a.m.**  
**104 A-D**  
**Music City Center**  
**Nashville, Tennessee**

*Representatives of state environmental agencies, U.S. EPA, and a local NGO will discuss partnerships working to restore urban waterways in cities around the country, and share transferable experiences for protecting human health and the environment.*

**9:00 – 10:15 a.m. Welcome and Introductions**

- ❖ Sara Pauley, Director, Missouri Department of Natural Resources, Water Committee Chair

**9:05 – 10:15 a.m. Discussion among Roundtable Participants, followed by Question and Answer Session, facilitated by Sara Pauley**

- ❖ Martin Suuberg, Commissioner, Massachusetts Department of Environmental Protection
- ❖ Joel Beauvais, Acting Deputy Assistant Administrator, U.S. EPA Office of Water
- ❖ Mekayle Houghton, Executive Director, Cumberland River Compact

**10:15 a.m. Call to Adjourn, Sara Pauley**



## **The Recovered Material Role in Sustainable Materials Management: Corporate Roundtable**

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**AGENDA  
ECOS Spring Meeting  
Tuesday, April 12, 2016 – 10:45 a.m. – Noon  
104 A-D  
Music City Center  
Nashville, Tennessee**

*Representatives of industries at various stages of maturity – coal ash recycling, waste-to-energy, and forest products manufacturing – will spotlight strides in curbing waste streams and promoting air quality and renewable energy and discuss how states can partner in these initiatives. State and U.S. EPA experiences also will be featured.*

**10:45 – 10:50 a.m. Welcome and Introductions**

- ❖ Todd Parfitt, Director, Wyoming Department of Environmental Quality, Waste Committee Chair

**10:50 – 11:20 a.m. Discussion among Roundtable Participants**

- ❖ Thomas Adams, Executive Director, American Coal Ash Association
- ❖ Paul Gilman, Ph.D., Senior Vice President and Chief Sustainability Officer, Covanta
- ❖ Paul Noe, Vice President for Public Policy, American Forest & Paper Association
- ❖ Scott Thompson, Executive Director, Oklahoma Department of Environmental Quality, Waste Committee Vice Chair

**11:20 a.m. – Noon Questions and Answers and Discussion of State and U.S. EPA Experiences**

**Noon Call to Adjourn, Todd Parfitt**



## How Lean is Your Machine?

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**AGENDA**  
**ECOS Spring Meeting**  
**Tuesday, April 12, 2016 – 1:15 p.m. – 2:30 p.m.**  
**104 A-D**  
**Music City Center**  
**Nashville, Tennessee**

*This roundtable will present results of ECOS' national inventory of state lean activities and offer case studies of transformative efforts at state environmental agencies. U.S. EPA will share lean work occurring across the agency, often in partnership with states.*

**1:15 – 1:20 p.m.      Welcome and Introductions**

- ❖ John Mitchell, Director, Division of Environment, Kansas Department of Health & Environment, Innovation & Productivity Committee Chair

**1:20 – 1:50 p.m.      Discussion among Roundtable Participants**

- ❖ John Mitchell
- ❖ Misael Cabrera, Director, Arizona Department of Environmental Quality
- ❖ Cathy Stepp, Secretary, Wisconsin Department of Natural Resources
- ❖ Sandra Connors, Director, U.S. EPA Office of Strategic Environmental Management

**1:50 – 2:30 p.m.      Questions and Answers and Discussion of State and U.S. EPA Experiences**

**2:30 p.m.              Call to Adjourn, John Mitchell**



## Beyond the Bean Counting: Measuring the Impact of Environmental Enforcement

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**AGENDA**  
**ECOS Spring Meeting**  
**Tuesday, April 12, 2016 – 2:30 – 3:30 p.m.**  
**104 A-D**  
**Music City Center**  
**Nashville, TN**

*This roundtable will explore how federal and state agencies are measuring the environmental, public health, and worker safety results of enforcement actions. While number of actions brought, or penalty dollars collected, can serve as indicators of results, enforcement officials are employing new and more refined approaches to communicate why actions were brought and to quantify how the environment, the public, and even violating entities will be in better positions post enforcement action. The roundtable also will show how private environmental governance approaches are supplementing state and federal enforcement activities.*

2:30 – 3:30 p.m.      **Roundtable Discussion**, moderated by Ryan Flynn, ECOS Compliance Committee Chair and Cabinet Secretary, New Mexico Environmental Department

- ❖ John Cruden, Assistant Attorney General, Environment and Natural Resources Division, U.S. Department of Justice
- ❖ Cynthia Giles, Assistant Administrator, U.S. EPA Office of Enforcement and Compliance Assurance
- ❖ Michael Vandenberg, David Daniels Allen Distinguished Chair of Law, Director, Climate Change Research Network, and Co-director, Energy, Environment and Land Use Program, Vanderbilt University School of Law



## The Clean Power Plan – What's Next

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**AGENDA**  
**ECOS Spring Meeting**  
**Tuesday, April 12, 2016 – 4:00 p.m. – 5:00 p.m.**  
**104 A-D**  
**Music City Center**  
**Nashville, Tennessee**

*After the U.S. Supreme Court stay of Clean Power Plan (CPP) implementation and as the D.C. Circuit reviews its legality, EPA and some states are moving ahead with the carbon reduction concepts, programs, and complementary activities. Other states are focusing efforts on the existing workload of core air quality protection work. The session will focus on the status of state and federal carbon oriented actions and "what's next" across the nation, providing ample opportunity for ECOS member and attendee participation.*

**4:00 – 4:05 p.m.      Welcome and Introductions**

- ❖ Martha Rudolph, Director of Environmental Programs, Colorado Department of Public Health & Environment, President, Environmental Council of the States

**4:05 – 4:35 p.m.      Dialogue among Panel Participants**

- ❖ Avi Garbow, General Counsel, U.S. EPA
- ❖ Todd Parfitt, Director, Wyoming Department of Environmental Quality, Secretary-Treasurer, Environmental Council of the States

**4:35 – 5:00 p.m.      Questions and Answers and Discussion**

**5:00 p.m.              Call to Adjourn, Martha Rudolph**