

# 2021 Shale Network Workshop Final Agenda

## Shale Gas: Future and Developing Issues

May 13–14, 2021

Technical difficulties please contact Francisco Tutella or Patryk Soika (francisco@psu.edu or patryk@psu.edu)

**Workshop Organized and/or Sponsored By:** National Science Foundation, Penn State (Earth and Environmental Systems Institute, Marcellus Center for Outreach and Research, Institutes for Energy and the Environment), University of Pittsburgh, Syracuse University, Evergreen Conservancy, Pennsylvania Department of Environmental Protection (PA DEP), Pennsylvania Department of Health

### Thursday, May 13, 2021

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| <b>12:00 p.m.</b>     | Introduction to the Workshop: Using Data to Promote Better Dialogue about Future and Developing Issues around Shale Gas Development<br><i>Susan L. Brantley and Jennifer Baka (Penn State University)</i>   |
| <b>12:20 p.m.</b>     | Panel Discussion: Energy Transitions and Their Environmental Impacts<br><i>Moderators: Jennifer Baka, David Yoxheimer (Penn State University)</i><br><i>Warren Wilczewski (U.S. Energy Information Administration [EIA]), Kris Perritt (Repsol), Jason Grottini (Envinity), Matt Mehalik (Breathe Project), Allen Landis (Regional Greenhouse Gas Initiative [RGGI])</i>  |
| <b>1:40 p.m.</b>      | Break<br><br><b><i>Moderators: Jenn Baka, Cindy Rogers (Evergreen Conservancy)</i></b>  |
| <b>1:55 p.m.</b>      | Unconventional natural gas development in the Pennsylvania Marcellus Shale: The Current Public Health Perspective<br><i>Joan Casey (Columbia University)</i>  |
| <b>2:15 p.m.</b>      | Challenges in Health-Based Research Near Oil & Gas Development<br><i>Jim Fabisiak (University of Pittsburgh)</i>  |
| <b>2:35 p.m.</b>      | Health-Based Evaluation of Ambient Air Measurements Near a Marcellus Shale Unconventional Natural Gas Well Pad Site and a School Campus<br><i>Christopher Long (Gradient Corporation)</i>   |
| <b>2:55 p.m.</b>      | Enhancing the Utility of Epidemiology in Assessing Potential Health Risks from Shale Gas Development<br><i>Uni Blake (American Petroleum Institute [API])</i>   |
| <b>3:15 p.m.</b>      | Conducting Research to Inform Environmental Health Policies Around Potential Health Risk from Unconventional Oil and Gas Development<br><i>Anna Rosofsky (Health Effects Institute)</i>   |
| <b>3:35 p.m.</b>      | Break   |
| <b>3:45 p.m.</b>      | <b>Panel Discussion:</b> Sorting Out Real and Unreal Health Effects Related to Unconventional Resource Development: How Do Different People Look at the Same Data and Come to Different Conclusions (and What Does It All Mean)?<br><i>Moderator: Seth Shonkoff (PSE Healthy Energy)</i><br><i>Brian Schwartz (Johns Hopkins School of Public Health), Donna Vorhees (Health Effects Institute), Uni Blake, Evelyn Talbott (University of Pittsburgh), Heaven Sensky (Center for Coalfield Justice)</i> |
| <b>5:00-6:00 p.m.</b> | <b>Shale Gas Development Virtual Field Trip – Preregistration is Required</b><br><i>Facilitators: Dave Yoxheimer, Tom Murphy (Penn State University), Amanda Veazey (Seneca Resources Company, LLC)</i>   |

## Friday, May 14, 2021

<b>8:00 a.m.</b>	<b>Solar Farm Virtual Field Trip – Preregistration is Required</b> <i>Facilitators: Dave Yoxtheimer, Tom Murphy</i>	<b>Pre-recorded Talk Q and A</b> <i>Moderators: Jenn Baka, Owen Harrington, Penn State University</i>
<b>Moderators: Susan Brantley, Seth Pelepko (PA Dept of Environmental Protection)</b>		
<b>9:00 a.m.</b>	Pipeline Development from the Regulatory Perspective <i>Andrew Foley, Domenic Rocco (Regional Permit Coordination Office, PA Department of Environmental Protection)</i>	
<b>9:20 a.m.</b>	Community Perspectives and Responses to Pipeline Development and Public Health Risks <i>Kirk Jalbert (Arizona State University)</i>	
<b>9:40 a.m.</b>	Summarizing USGS Studies of the Effects of Unconventional Oil and Gas Activities on Groundwater Quality in 5 U.S. Shale Basins <i>Bruce Lindsey (U.S. Geological Survey)</i>	
<b>10:00 a.m.</b>	Managing Produced Water in a New Decade <i>Loren Anderson (Marcellus Shale Coalition), Jon Dufalla (Range Resources-Appalachia, LLC)</i>	
<b>10:20 a.m.</b>	An EPA Regulatory Update: Oil and Gas Clean Air Act Section 111 & Produced Water Policies <i>Taimur Shaikh (U.S. Environmental Protection Agency)</i>	
<b>10:40 a.m.</b>	Discussion: Pipelines to Water <i>Susan Brantley, Seth Pelepko</i>	
<b>Moderators: Radisav Vidic (University of Pittsburgh), Jenn Baka</b>		
<b>11:00 a.m.</b>	Overview of Air Quality Monitoring Program for Shell's Petrochemical Facility in Monaca, PA <i>Jim Sewell and Kimberly Kaal (Shell Chemical Company)</i>	
<b>11:20 a.m.</b>	Community Challenges and Choices Amidst Petrochemical Development <i>Matt Mehalik (Breathe Project)</i>	
<b>11:40 a.m.</b>	Discussion: Petrochemical Development in SW Pennsylvania <i>Radisav Vidic, Jenn Baka</i>	
<b>12:00 p.m.</b>	Break (survey link will be provided for feedback)	
<b>Moderators: Tao Wen (Syracuse University), Dave Yoxtheimer</b>		
<b>12:30 p.m.</b>	Remediation of Orphaned Wells – Challenges and Opportunities <i>Gani Sagingaliyev (Affirmed Resources)</i>	
<b>12:50 p.m.</b>	Environmental Hazards and Local Investment: A Half-Century of Evidence from Abandoned Oil and Gas Wells <i>Max Harleman (University of Pittsburgh)</i>	
<b>1:10 p.m.</b>	Federal Orphan Well Plugging Stimulus Legislation: Opportunities for Pennsylvania <i>Adam Peltz (Environmental Defense Fund)</i>	
<b>1:30 p.m.</b>	Discussion: Abandoned Wells led by Wen and Yoxtheimer <i>Tao Wen, Dave Yoxtheimer</i>	
<b>1:45 p.m.</b>	Wrap Up Plenary Discussion: What Do We Need to Do Next? <i>Radisav Vidic, Jennifer Baka, Cindy Rogers</i>	
<b>2:00 p.m.</b>	Adjourn	