

Marcellus Shale Multi-State Academic Research Conference

May 10-11, 2011

Agenda

Tuesday, May 10

- 12 p.m. Registration
- 1 p.m. Welcome
- 1:15 p.m. Overview of research across five topics (15 min. each): Economic Implications, Local Government/Public Policy/Health, Water Resource Management, Geology/Technical/Environmental, and Social Implications
- 2:30 p.m. Concurrent sessions (Economic Implications; Geology/Technical/Environmental)
Brief presentations (5-7 minutes) followed by moderated discussion to identify what are the gaps in current research, how to address them and what are the opportunities for collaboration
- Economic implications (Moderator: David Kay)
 - Impact of Marcellus Shale development in Pennsylvania on downtowns and downtown businesses (Andrews, Kelsey)
 - Marcellus Shale and property rights: An institutional economic analysis (Alter, Kelsey)
 - How should we think about the economic consequences of shale gas drilling (Christopherson)
 - Fiscal impacts of gas development on local governments in Pennsylvania (Jacobson)
 - Local business impacts of Marcellus Shale development: the experience in Bradford and Washington counties, 2010 (Ward, Kelsey)
 - Geology/technical/environmental issues (Moderator: Doug Patchen)
 - Landscape change associated with Marcellus Shale exploration and development—Research and outreach efforts (Brittingham)
 - Prediction of spatial variability of Marcellus Formation geochemical and geomechanical parameters through improved understanding of sedimentological variability and stratigraphic architecture in central New York State (Jordan, Karaca)
 - The Pennsylvania State Seismic Network (Nyblade)
 - A laboratory experiment on the fate of pollutants in brines applied to roads (Sang)
- 3:45 p.m. Break
- 4:15 p.m. Debriefing from concurrent sessions (current research strengths, gaps identified, role of universities, research obligations)
- 5:30 p.m. Reception with posters

Wednesday, May 11

- 8:30 a.m. Concurrent sessions on Water Resource Management, Social Implications, Local Government/Public Policy/Health
Brief presentations (5-7 minutes) by researchers followed by moderated discussion to identify what are the gaps in current research, how to address them and what are the opportunities for collaboration
- Water resource management (Moderator: David Yoxtheimer)
 - Water Resource Impacts of Shale Gas Drilling (Riha)
 - Impact of Marcellus Gas Drilling on Rural Drinking Water Supplies (Swistock)
 - Water-quality monitoring in the Marcellus gas-drilling area in the Beech Creek Watershed (Khalequzzaman)
 - Characterization of Organics in Marcellus Frac-back Waters (Wolford)
 - Significance of Uncertainty in the Approval of Water Withdrawals for Hydraulic Fracturing in the Marcellus Shale (Mitchell)
 - Local Government/Public Policy/Health (Moderator: Rod Howe)
 - Multi-State Water Management Commissions in the Northeast: What do we know about these institutions and how they are influencing Marcellus Shale development (Abdalla)
 - Natural gas landowner coalitions in New York State: Emerging benefits of collective natural resource management (Jacquet, Stedman)
 - Using local legislation to mitigate negative impacts of Shale Gas development (Kinne)
 - Perceptions of the Natural Environment and Health among Residents in Marcellus and non-Marcellus Communities (Sliwinski)
 - Spatial drivers and water policies as determinants of the location of Marcellus Shale gas development in Pennsylvania (Klaiber)
 - Social Implications (Moderator: Kathy Brasier)
 - Investigating the role of identities and opinion leadership on risk information seeking and sharing about proposed natural gas drilling in New York's Marcellus Shale (Clarke)
 - Pennsylvania and New York Residents' Views of Natural Gas Development in the Marcellus Shale Region (Stedman et al)
 - Effects of Marcellus Shale Development on Families with Children: An Exploratory Study (McLaughlin et al)
 - Public perceptions of Marcellus Shale knowledge gaps: Preliminary findings and new questions (Kinchy)
 - Marcellus Shale gas development in Pennsylvania and the perceptions of opportunities and challenge among Pennsylvania educators (Schafft)
- 9:45 a.m. Debriefing from concurrent sessions
- 10:45 a.m. Break
- 11:15-12:30 Where do we go from here? reflecting on our roles and obligations as researchers and educators; collaboration and funding opportunities