



Shale 101 Unplugged: Learn the Facts About Upstream, Midstream and Downstream

November 2-3, 2016

Pittsburgh, PA

Professional Development Hours (PDH) Available!

The Marcellus Shale Coalition is pleased to offer a two-day Shale 101 seminar. This seminar is being offered to all oil and gas industry stakeholders, State, County and Local Officials, and individuals interested in learning about unconventional shale and natural gas development in Pennsylvania and the surrounding areas.

The development of natural gas from unconventional shale in Pennsylvania has created a huge opportunity for growth and sustainability for the region across a variety of industry sectors. During this seminar, industry experts will educate attendees on the upstream, midstream, and downstream segments of the natural gas industry. Please refer to the following pages for the full agenda, session descriptions and line-up of presenters.

NOVEMBER 2, 2016

On day 1, industry experts will provide an overview of unconventional shale development in Pennsylvania. Learn about the life cycle of a natural gas well from the initial land acquisition and building the well pad, to hydraulic fracturing and restoring the land back to its original state. Once the well is in production, it must be connected to a pipeline. Discover how midstream companies determine where the pipeline will be placed to transport natural gas from the well to the market, and how they comply with the laws and regulations set by the federal, state and local governments.

Agenda

8:00 – 8:30 am	Registration and Continental Breakfast
8:30 - 10:00 am	Shale Introduction, Economic Opportunity, Geology and Location Identification, Land Acquisition and Leasing
10:00 - 10:15 am	Break
10:15 – 11:30 am	Upstream Laws, Regulations, Permits, and Compliance
11:30 am - 12:30 pm	Lunch
12:30 – 1:20 pm	Site Construction, Drilling and Hydraulic Fracturing, Operations and Maintenance
1:20 – 2:30 pm	Environmental Health and Safety, Emissions Management, Site Restoration, and Pipeline Connection
2:30 – 2:45 pm	Break
2:45 – 3:15 pm	Pipeline Types, Locations and Land Acquisition
3:15 – 4:15 pm	Midstream Laws, Regulations, Permits and Compliance

NOVEMBER 3, 2016

On day 2, industry experts will continue the discussion around the need for pipeline infrastructure and how pipelines are installed in an environmentally safe manner. Once natural gas is in the pipeline, it must get to the end-users. Explore the economic opportunities provided by natural gas development and how it is used for products and services that touch our lives every day.

Agenda

8:00 – 8:30 am	Registration and Continental Breakfast
8:30 – 9:45 am	Site Preparation, Pipeline Construction and Right-of-Way (ROW) Restoration, and Environmental Health and Safety
9:45 – 10:00 am	Break
10:00 – 11:00 am	Economic Opportunity, Infrastructure Development, Getting Gas to Market and Public Engagement
11:00 am – 12:00 pm	Natural Gas Power Plants, Cracker Plants, Manufacturing, Petro Chemical and Chemical Opportunities

Register

MSC Member Rate:	\$150
Non-Member Rate:	\$200
Government/Student Rate:	\$100
<i>Valid Government/University ID required</i>	

To register: <https://16shale101.eventbrite.com>

Admission fees are non-refundable. Substitutions accepted.

Location

Pittsburgh Airport Marriott
777 Aten Road
Moon, PA 15108

A block of rooms has been reserved under the Marcellus Shale Coalition on a first-come, first-served basis. Please [click here](#) to book your reservation.

For more information, partnership opportunities, and other training opportunities, please visit www.marcelluscoalition.org/get-involved or contact Sarah Braun, Events Manager, at sbraun@marcelluscoalition.org.



Shale 101 Unplugged: Learn the Facts About Upstream, Midstream and Downstream

Agenda and Presenters

November 2, 2016

- 8:30 – 10:00 am** **Welcome to Shale 101**
What is Marcellus Shale? Learn about the history and geology, local and regional economic opportunities, how upstream companies determine where to drill and the process of working with land owners.
- Dave Spigelmyer, President, Marcellus Shale Coalition
Greg Muse, President & COO, PennEnergy Resources, LLC
Jeff Kotula, President, Washington County Chamber of Commerce
- 10:00 – 10:15 am** **Break**
- 10:15 – 11:30 am** **Upstream: Understanding Laws and Regulations**
Obtain a comprehensive overview of the existing federal, state and local laws and regulations that govern all aspects of the oil and gas industry, as well as permit and reporting requirements.
- Gary Slagel, Director, Steptoe & Johnson PLLC
Jean Mosites, Attorney, Babst Calland
Jim Elliott, Counsel, Spilman Thomas & Battle
Christopher Nestor, Attorney, Overstreet & Nestor, LLC
Loren Anderson, Senior Manager, Technical Affairs and Special Projects, Marcellus Shale Coalition
- 11:30 am - 12:30 pm** **Lunch**
- 12:30 – 1:20 pm** **Drilling Down: Building Pads and Completing Wells Safely**
Once all of the required permits are obtained, construction begins and a well is drilled. Dig deeper into the process of constructing a well pad, drilling and completing a Marcellus Shale well.
- Joe Frantz, VP Engineering Technology, Range Resources
- 1:20 - 2:30 pm** **Day-to-Day Wellsite Operations and Management**
The day-to-day operations of a producing well site encompass many different activities. Hear about best practices utilized for worker and public safety, installing environmental compliance controls, and controlling emissions. Lastly, discover the process for restoring well sites to stable and vegetated conditions, and how upstream companies prepare for pipeline connection.
- Doug Mehan, PG, CSP, Director Health, Environmental & Safety, PennEnergy Resources, LLC
Jeff Walentosky, Senior Associate, Moody & Associates
Jim Cooper, Chair, MSC Air Quality Committee
Jeremy Matinko, CPESC, Environmental Compliance Manager, Range Resources
Robert Hawkins, Permitting and Surface Use Manager, Rice Energy Inc.
- 2:30 - 2:45 pm** **Break**
- 2:45 - 3:15 pm** **Planning for Pipelines**
Gas pipelines come in many shapes, sizes, uses, and are in different locations. Learn how midstream companies determine which type of gas pipeline is used in specific areas.
- Will Ratcliffe, Manager – Regulatory Affairs, Williams



3:15 - 4:15 pm

Midstream: Understanding Laws and Regulations

Similar to upstream activities, the midstream sector of the industry is heavily regulated. Obtain a comprehensive overview of the numerous federal, state and local laws and regulations, as well as permit and reporting requirements.

Lauren Parker, PE, Principal, Civil & Environmental Consultants, Inc.
Keith Coyle, Esq., Shareholder, Babst Calland
Craig Wilson, Partner, K&L Gates LLP
Sara Blascovich, Senior Regulatory Analyst, HDR Inc.
Zachary J. Coy, PE, CPESC, Principal, Civil & Environmental Consultants, Inc.

November 3, 2016

8:30 - 9:45 am

In the Trenches: Building Pipelines Safely

Once all of the required permits are obtained, construction begins. Learn how pipelines are installed and how the right-of-way is restored. With worker and public safety being paramount, pipeline installation best practices and compliance techniques will be discussed.

Rob McHale, Manager of Special Projects, MarkWest Energy Partners, L.P.
Joe Marecic, CSP, Safety & Health Specialist III, Williams

9:45 - 10:00 am

Break

10:00 - 11:00 am

Opportunities for Natural Gas Use

The economic opportunities for natural gas are plentiful; in turn, pipeline infrastructure is critical for getting gas to markets. Obtain an overview of pipeline capacity needs, downstream uses for natural gas, and effectively educating and engaging the public.

Pat Henderson, Director of Regulatory Affairs, Marcellus Shale Coalition
George Stark, Director External Affairs, Cabot Oil & Gas Corporation
Joe McGinn, Sr. Manager, Public Affairs, Sunoco Logistics Partners L.P.
Pat Kornick, Principal Consultant, ERM

11:00 am - 12:00 pm

Power, Products and Plastics: Putting Natural Gas to Work

Expanding on the downstream potential of natural gas, discover how natural gas is utilized for a variety of larger projects (e.g. power plants, cracker plants, manufacturing, and pharmaceutical uses) and how natural gas is utilized for items that touch our everyday lives (e.g. plastics, cell phones, tires, refrigerators, crayons, and chapstick).

Pat Henderson, Director of Regulatory Affairs, Marcellus Shale Coalition
Bryan McConnell, Manager Environmental, Tenaska
Scott Rotruck, Director of Energy and Transportation Services, Spilman Thomas & Battle, PLLC
Chuck Whisman, PE, VP, Global Energy Market Director, CH2M
Jeff Logan, President, PA Chemical Industry Council