



## 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 Break
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

<b>MSC Member Rate:</b>	<b>\$150</b>
<b>Non-Member Rate:</b>	<b>\$200</b>
<b>Government/Student Rate:</b>	<b>\$100</b>
<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

For more information, partnership opportunities, and other training opportunities, please visit [www.marcelluscoalition.org/get-involved](http://www.marcelluscoalition.org/get-involved) or contact Sarah Braun, Events Manager, at [sbraun@marcelluscoalition.org](mailto: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, Attorney, 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 Blaskovich, 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, Specialist – EHS – Corporate, 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