The Marcellus Shale Coalition (MSC) works with exploration and production, midstream and supply chain partners across the Appalachian Basin to advocate for the safe and responsible production of clean, job-creating, American natural gas.

We provide in-depth information to policymakers, regulators, media, and other public stakeholders on the positive impacts responsible natural gas production is having on families, businesses, and communities across the region.
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Welcome to Philadelphia — and to SHALE INSIGHT™ 2015!

Celebrating its fifth year, it is only appropriate that we return to the banks of the Delaware River, a growing energy and manufacturing hub that is on the forefront of innovation due much in part to responsible natural gas development and natural gas liquids.

Philadelphia, though not directly on top of the shale fields, sits at a strategic location that has allowed the city to become the beneficiary of a multitude of pipeline projects that bring gas from the energy rich west and north to the market access port in the east. Along with channeling gas to market, shale development brings Pennsylvania jobs that will reinvigorate Philadelphia communities such as Marcus Hook. As a result of the growing natural gas industry, the future is bright for Philadelphia.

We are proud to bring together an impressive roster of speakers for this conference, including nearly 100 innovative thought leaders, political figures and environmental professionals with a diverse audience joining us from across the globe.

Holding true to its reputation, SHALE INSIGHT™ 2015 will deliver strong programmatic content that focuses on strategic developments in natural gas end use, as well as manufacturing, exporting and infrastructure, including:

- Timely keynote presentations featuring influential industry experts
- A dynamic exhibit hall where attendees have hands-on access to the latest innovations, products and services that are a driving force behind today’s shale development
- Concurrent technical and public affairs sessions on a variety of topics ranging from community-based challenges, water treatment technologies and getting gas to market
- Extensive networking opportunities with industry peers and potential business partners

While visiting Philadelphia, we hope you take the opportunity to not only enhance your knowledge base and build your professional network, but also to enjoy all the city has to offer. Philadelphia’s rich history in the founding of our nation coupled with its vibrant culture has created a backdrop for some of the country’s best dining, entertainment and tourist attractions.

We would like to thank you for your continued participation and commitment to the SHALE INSIGHT™ conference. Your company’s partnership with the Marcellus Shale Coalition is vital to the success of the industry and we look forward to working collectively with you during this monumental time in the transformation of energy development.

K. Scott Roy
Chair, Marcellus Shale Coalition
VP – Government Relations, Environmental Compliance, Safety & Security
Range Resources Corporation

David J. Spigelmyer
President, Marcellus Shale Coalition
The MSC would like to extend its appreciation to the member companies and other organizations who contributed to SHALE INSIGHT™ 2015.
ABOUT SHALE INSIGHT™ 2015

ADDENDUM
An addendum containing changes and additions to this program is available at Registration.

ADMISSION AND NAME BADGES
Please wear your conference name badge during the Conference and for admission to all conference sessions, the Exhibit Hall, luncheons and Networking Reception. If you lose or misplace your name badge, there will be a $50 replacement fee. A valid photo ID and company business card will need to be presented at Registration to secure a new badge.

CARRIAGE RIDES
*Spurred by Percheron, LLC*

Enjoy a complimentary Percheron horse-drawn carriage ride in downtown Philadelphia. Visit Percheron, LLC in booth 513 for more information.

CELL PHONES
Please turn off or silence your cell phone before entering any sessions.

BUSINESS CENTER/FEDEX
Pennsylvania Convention Center 2nd Floor, between Halls B and C.
8:00 am – 5:00 pm
215-925-1218

CONTINUING EDUCATION
Educational opportunities are available for engineers, geologists, surveyors and attorneys. Professional Development Hours (Pennsylvania only) are available for 10 sessions.

Continuing Legal Education credits (Pennsylvania only) are also available. The Certificate of Attendance, as well as a Credit Request Form are available post-conference at www.shaleinsight.com/continuing-education.

Attendees interested in receiving Professional Development Hours and Continuing Legal Education credit must complete a Continuing Education Credit Form, located outside each session room at the staffed registration desk. The Certificates of Attendance are password protected. The password will be available on the welcome and closing slides in each session room.

FIRST AID AND EMT
An emergency medical technician (EMT) will be on site during conference hours at the Pennsylvania Convention Center, located on the 2nd floor in Hall E (adjacent to loading dock, near the 2016 Exhibit sales office).

FOOD FUNCTIONS AND CONCESSIONS
Continental breakfast and lunch will be provided in the Terrace Ballroom on September 16 and 17. The Networking Reception will include a hosted wine and beer bar and hors d’oeuvres stations in the Exhibit Hall on September 16. Three refreshment breaks will take place in the Exhibit Hall over the two-day conference. A concession stand will also be available on September 16 from 10:00 am – 2:00 pm in the Exhibit Hall. For evening dining at nearby restaurants, please visit: discoverphl.com/visit/dine

INTERNET
Complimentary Wi-Fi will be available in all common areas (excluding meeting rooms, exhibit hall and ballroom) of the Pennsylvania Convention Center.

LOST AND FOUND
Lost and found articles may be turned in or reclaimed at Registration.

LUGGAGE AND COAT CHECK
For the convenience of conference participants, luggage check will be available on Thursday, September 17 from 6:30 am – 3:00 pm near Registration in the Broad Street Atrium.

MEDIA ROOM
Media passes are made available solely at the discretion of the Marcellus Shale Coalition. Credentials must be presented to gain entry to the media room, conference sessions and Exhibit Hall. For all media inquiries, please contact Patrick Creighton at patrick.creighton@fticonsulting.com or Travis Windle at travis.windle@fticonsulting.com.

Room 123
Wednesday 7:30 am – 6:00 pm
Thursday 7:30 am – 3:00 pm

MOBILE APP
*Sponsored by Percheron, LLC*

Download the SHALE INSIGHT™ 2015 Mobile App for access to comprehensive conference information, including the program schedule, speaker list and exhibitor information. Plan your conference itinerary and stay connected with other conference attendees through in app messaging.

SHALE INSIGHT™ 2015 is available as a free download at Google Play, the Apple Store, or by scanning the QR code. For all other devices, download the web version at http://shaleinsight2015.quickmobile.mobi/.

Your *username* is the email address used to register for the conference and the *password* is SI2015 (case sensitive).
NETWORKING OPPORTUNITIES
Networking opportunities will occur during daily continental breakfasts, refreshment breaks and luncheons, the Networking Reception and Exhibit Hall hours. Please refer to the program schedule for details.

PHOTOGRAPHY, AUDIO/VISUAL RECORDING AND PERMISSIONS
Photography or audio/visual recording is not permitted without an advanced, written request to and subsequent approval by the Marcellus Shale Coalition. By attending SHALE INSIGHT™ 2015, you are granting permission to the Marcellus Shale Coalition to use your likeness in photographic images taken during the conference for any purpose including, but not limited to, promotion or historical reference.

REGISTRATION POLICY
On-site Registration will be limited to Marcellus Shale Coalition members and affiliates and will be based on availability. A valid photo ID and company business card are required. The Marcellus Shale Coalition reserves the right to deny registration and/or entrance to the event to any individual or group.

SAFETY AND SECURITY
There will be security personnel located throughout the conference venue for any safety or security concerns.

SMOKING
Smoking is not permitted inside any area of the Pennsylvania Convention Center.

SOCIAL MEDIA
Join the conversation:
Facebook: facebook.com/marcelluscoalition
Twitter: twitter.com/marcellusgas, #ShaleInsight
Linked-In: linkedin.com/company/marcellus-shale-coalition

SURVEYS
Surveys will be available in each conference session, as well as via the conference Mobile App. A general conference survey will be available via the Mobile App. Please take a few minutes to provide feedback; it is invaluable to the MSC in order to plan for future programs.

TELEPHONE NUMBERS
Emergencies 911
Courtyard Philadelphia 215-496-3200
Downtown
Philadelphia Marriott 215-625-2900
Downtown
Pennsylvania Convention Center 215-418-4700
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<td>Welcome and Opening Remarks</td>
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<td>K. Scott Roy, VP – Government Relations, Environmental</td>
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<td>9:00 am – 6:30 pm</td>
<td>Philadelphia - The New Northeast Energy Hub</td>
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<td>NETWORKING BREAK IN EXHIBIT HALL</td>
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<td>9:45 am – 11:45 am</td>
<td>Information Management Solutions: Automating Compliance</td>
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<td>10:30 am – 11:45 am</td>
<td>Natural Gas/Methane Emissions: An Update on State</td>
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<td>Natural Gas Liquids: Challenges and Opportunities for</td>
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<td>Pennsylvania as an Energy Leader: The Role of Producers,</td>
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<td>Pipelines and Philadelphia</td>
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<td>Preparing Pennsylvania Workers in Rural Communities through</td>
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<td>STEM Initiatives</td>
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<td>11:45 am – 1:40 pm</td>
<td>“spoILed” Screening and Q&amp;A with Movie Director/Producer</td>
<td>118 BC</td>
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<td>1:40 pm – 2:40 pm</td>
<td>NETWORKING BREAK IN EXHIBIT HALL</td>
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<td>1:45 pm – 3:45 pm</td>
<td>Technology Showcase</td>
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<td>Kemal Anbarci, Ph.D., Vice President and Managing Executive,</td>
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<td>Chevron Technology Ventures</td>
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<td>2.45 pm – 4:00 pm Characterization and Remediation Implications of</td>
<td>126 AB</td>
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<td>Act 2 for the Oil and Gas Industry</td>
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<td>Effective Practices during Incident Response</td>
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<td>Issues in a Changing Media Environment</td>
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<td>Municipal Ordinances: A Methodology to Track New</td>
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<td>Ordinances with a Focused Alert and Response Program</td>
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<td>Water Treatment, Technology and Storage in an Everchanging</td>
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<td>Working with Public Water Utilities: Reliable and Beneficial</td>
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<td>Water Sources for Hydraulic Fracturing</td>
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<td>4:10 pm – 4:45 pm</td>
<td>Natural Gas, Energy Security, and Enhancing US National</td>
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<td>Honorable Rudolph W. Giuliani, Partner, Bracewell &amp; Giuliani LLP</td>
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<td>Former Mayor of New York City</td>
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<td>5:00 pm – 6:30 pm</td>
<td>NETWORKING RECEPTION IN EXHIBIT HALL</td>
<td>Exhibit Hall E</td>
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## THURSDAY, SEPTEMBER 17

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<td>Welcome and Opening Remarks</td>
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<td>Presentation of SGICC Environmental Health and Safety Award</td>
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<td>Philadelphia Business Community Welcome</td>
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<td>Marcellus-Utica Gas and NGL Takeaway: The Cavalry is on the Way</td>
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<td>Pipeline Infrastructure and LNG Development: Connecting New Markets</td>
<td>Terrace Ballroom</td>
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<tr>
<td>9:50 am – 11:00 am</td>
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<tr>
<td>10:00 am – 12:00 pm</td>
<td>How Applicants Can Manage Effectively a FERC Project: Permitting, Communication and Compliance</td>
<td>119 AB</td>
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<td>11:00 am – 12:15 pm</td>
<td>Achieving Success in a Demanding Market: Pipeline Project Siting, Supporting Infrastructure Buildout and Addressing Community Based Challenge</td>
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<td>Community Engagement on Conditional Use Hearings</td>
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<td>Cyber Risk: Oil and Gas Facility Protection Against Cyber Attacks</td>
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<td>Emergency Response Planning: Keys to Building a Successful Environmental, Health and Safety Culture within the Appalachian Basin</td>
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<td>Pipeline Safety: Understanding Federal and State Regulatory Programs Which Affect Midstream Pipeline Operations</td>
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<td>12:15 pm – 2:15 pm</td>
<td>Luncheon</td>
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<td>Energy Security = National Security</td>
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<td>Policy Reflections: A Discussion with Pennsylvania Speaker of the House</td>
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<td>Innovation, Shale, and the Second American Century</td>
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<td>ABELE Morgan</td>
<td>Natural Gas Use Display</td>
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<td>ADAMS Richard</td>
<td>Water Treatment, Technology and Storage in an Ever-changing Landscape</td>
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<td>ANBARCI Kemal</td>
<td>Technology Showcase</td>
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<td>Cyber Risk: Oil and Gas Facility Protection Against Cyber Attack</td>
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<td>Emergency Response Planning: Keys to Building a Successful Environmental, Health and Safety Culture within the Appalachian Basin</td>
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<td>BAILLIE Ronald</td>
<td>Preparing Pennsylvania Workers in Rural Communities through STEM Initiatives</td>
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<td>BARNETT Phillip</td>
<td>Pennsylvania as an Energy Leader: The Role of Producers, Pipelines and Philadelphia</td>
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<td>Municipal Ordinances: A Methodology to Track New Ordinances with a Focused Alert and Response Program</td>
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<td>Characterization and Remediation Implications of Act 2 for the Oil and Gas Industry</td>
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<td>BOWMAN Erica</td>
<td>Building a Renaissance in Manufacturing through Affordable and Abundant Natural Gas: Unlocking the Door to New Manufacturing</td>
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<td>BRILL Jeff</td>
<td>Information Management Solutions: Automating Compliance and Permit Tracking to Reduce Costs and Risks Workshop</td>
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<td>BROWN Gladys</td>
<td>Working with Public Water Utilities: Reliable and Beneficial Water Sources for Hydraulic Fracturing</td>
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<td>BROWN Josh</td>
<td>Achieving Success in a Demanding Market: Pipeline Project Siting, Supporting Infrastructure Buildout and Addressing Community Based Challenges</td>
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<td>BROWN Larry</td>
<td>How Applicants Can Manage Effectively a FERC Project: Permitting, Communication and Compliance</td>
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<td>BROWNSTEIN Mark</td>
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<td>Innovation, Shale, and the Second American Century</td>
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<td>Crutchfield Lisa</td>
<td>Pennsylvania as an Energy Leader: The Role of Producers, Pipelines and Philadelphia</td>
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<td>FRENCH Donald</td>
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<td>GARBER Kevin</td>
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<td>GILLESPIE Thomas</td>
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<td>TH, 9/17 11:00 am - 12:15 pm</td>
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<td>GIULIANI Rudolph</td>
<td>Natural Gas, Energy Security, and Enhancing US National Interests</td>
<td>W, 9/16 4:10 pm - 4:45 pm</td>
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<tr>
<td>GONZALEZ Gabriella</td>
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<td>GROVER Andrea</td>
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<td>HALL William</td>
<td>Technology Showcase</td>
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<td>HALL William</td>
<td>Presentation of SGICC Environmental Health and Safety Award</td>
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<td>KENNEDY Brian</td>
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<td>KETLER Albert</td>
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<td>MATHIS Mark</td>
<td>SpOILed Screening and Q&amp;A with Movie Director/Producer</td>
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<td>MCCALLUM Caroline</td>
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<td>MCCORMICK James</td>
<td>Energy Security = National Security</td>
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<td>MELOY Michael</td>
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<td><strong>SPEAKERS AT A GLANCE</strong></td>
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<td><strong>NICKERSON Randy</strong></td>
<td>Marcellus-Utica Gas and NGL Takeaway: The Cavalry is on the Way</td>
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WEDNESDAY, SEPTEMBER 16

6:30 am
Registration Open
Broad Street Atrium

6:30 am – 8:00 am
Continental Breakfast
Terrace Ballroom

8:00 am – 9:20 am
Welcome and Opening Remarks
Terrace Ballroom
David J. Spigelmyer, President
Marcellus Shale Coalition
K. Scott Roy, VP – Government Relations, Environmental Compliance, Safety and Security
Range Resources Corporation

Philadelphia—The New Northeast Energy Hub
Sponsored by Sunoco Logistics Partners L.P.

Regional industry experts will examine and discuss the opportunities being generated in the greater Philadelphia region for the possibility of becoming the new northeast energy hub, all made possible through affordable and abundant natural gas and natural gas liquids. This panel will address consumer savings, the need for new and expanded infrastructure in the region and the opportunity to grow local jobs at the Marcus Hook petrochemical center, Port of Philadelphia and Philadelphia Energy Solutions — the largest oil refining complex on the East Coast. The panel will discuss how liquids development can strengthen the geopolitical standing of our nation and position the Philadelphia region as a leader in energy development in the United States.

Moderator
Michael L. Krancer, Esq., Partner
Blank Rome

Panel
Joseph Colella, Senior Vice President, Product, Trading and Marketing – Business Development
Sunoco Logistics Partners L.P.

9:20 am – 6:30 pm
Exhibit Hall

Natural Gas Use Display
Sponsored by America’s Natural Gas Alliance (ANGA) and Waste Management

The Natural Gas Use Display will focus on how natural gas touches our everyday lives and will showcase compressed natural gas (CNG) vehicles, educational posters and product displays. Please refer to the Speakers at a Glance section on page 10 for a complete list of presenters. Visit the SHALE INSIGHT™ 2015 Mobile App for presentation and display descriptions.

Presenting Companies
America’s Natural Gas Alliance (ANGA)
Capstone Distributor, E-Finity Distributed Generation
Clipper Enterprises, LLC
Erdman Anthony
Lehigh University
Neapolitan Express
Philadelphia Gas Works (PGW)
Primus Green Energy
PULS, Inc.
Southeastern Pennsylvania Transportation Authority (SEPTA)
SunnySide Supply, Inc.
Waste Management
West Virginia University
WPX Energy

9:20 am – 10:30 am
NETWORKING BREAK IN EXHIBIT HALL

9:45 am – 11:45 am
Information Management Solutions: Automating Compliance and Permit Tracking to Reduce Costs and Risks Workshop
Sponsored by CH2M

The amount of data that is collected around oil and gas operations and pipeline companies has increased tremendously due to increased regulatory requirements and as firms collect more information to determine baseline conditions, develop internal...
auditing and compliance data collection programs, evaluate permitting challenges, and monitor more risk and liability control information. This workshop will focus on how companies can use data management platforms to track, evaluate, validate and report information to reduce costs, provide legally defensible data, quickly resolve or prevent non-compliance issues, and access historical data. It will also discuss the value of combining all regulatory and compliance data into one system.

2.0 Professional Development Hours

Moderator
Chuck Whisman, P.E., Vice President, Global Energy Market Director, E&N
CH2M

Panel
Jeff Brill, Regional Technology Leader
CH2M
Joshua Clay, Environmental Scientist and Project Manager
CH2M
Emily Mulford, Corporate Programs and Training Director
EarthSoft

10:30 am – 11:45 am 122 B
Greenhouse Gas/Methane Emissions: An Update on State and Federal Rulemakings
Sponsored by ERM

There have been several updates to both state and federal rulemakings on further restrictions to greenhouse gas and methane emissions. This session will review those new rulemakings and discuss how the industry is improving operations through the use of innovative technologies to capture and control these emissions and stay in compliance.

PDH credits
1.0 Professional Development Hour

Moderator
Andy Woerner, P.E., Partner
ERM

Panel
Mark Brownstein, Esq. Vice President, Climate and Energy Environmental Defense Fund
Kimberly Coy, Air Program Lead Shell Appalachia
John Jacus, Partner Davis Graham & Stubbs LLP

Natural Gas Liquids: Challenges and Opportunities for Development in the Appalachian Basin
Sponsored by Parsons Brinckerhoff

This session will explore the outlook for NGL production, transport, domestic use and export; the need for new infrastructure from the viewpoint of a midstream operator; the regulatory environment for rail and pipeline transportation; best practices in underground storage; and federal regulatory oversight of NGL projects.

1.0 Professional Development Hour

Moderator
Roger Rodiek, Business Development Manager Parsons Brinckerhoff

Panel
James Curry, Esq., Partner
Van Ness Feldman LLP
Greg Floerke, Executive Vice President and Chief Commercial Officer MarkWest Energy Partners, L.P.
Greg Haas, Director of Research, Integrated Oil and Gas Stratus Advisors
Tim Reichwein, Senior VP of Operations and COO Parsons Brinckerhoff

Monique Watson, Deputy Director, Division of Pipeline Regulation, Office of Energy Market Regulation Federal Energy Regulatory Commission

Pennsylvania as an Energy Leader: The Role of Producers, Pipelines and Philadelphia
Sponsored by Buchanan Ingersoll & Rooney PC

Panelists will present topics demonstrating how the success of Pennsylvania’s shale gas industry and the continued growth of Philadelphia’s industries are interconnected. The shale gas industry needs growth in industrial demand for its continued success, as well as legislative support for policies that will foster its continued development, while an abundant supply of inexpensive gas and NGLs as fuel and feedstock presents significant opportunities for economic growth, investment and jobs for the Philadelphia region.

Moderator
Sean Moran, Shareholder Buchanan Ingersoll & Rooney PC

Panel
Phillip Barnett, Senior Vice President, CFO and Treasurer PECO Energy
Lisa M. Crutchfield, Senior Vice President of Advocacy and Public Affairs
Greater Philadelphia Chamber of Commerce

Dennis Davin, Secretary
Pennsylvania Department of Community and Economic Development

Patrick J. Eiding, President
Philadelphia Council AFL-CIO

Todd Normane, Vice President, General Counsel and Corporate Affairs
Talisman Energy USA Inc.

Robert Powelson, Commissioner
Pennsylvania Public Utility Commission

Preparing Pennsylvania Workers in Rural Communities through STEM Initiatives
Sponsored by Chevron

In fall 2014, Chevron made a $20 million commitment to fund the Appalachia Partnership Initiative, a social investment program to address education and workforce development needs in 27 counties across southwestern Pennsylvania, northern West Virginia and eastern Ohio. This presentation will discuss how, in an effort to support education and training programs that grow economic development by increasing employability, Chevron partnered with the Allegheny Conference on Community Development, the Claude Worthington Benedum Foundation and RAND Corporation to invest in programs that help teachers prepare students for skilled jobs with a special focus on cultivating programs in science, technology, engineering and math (STEM).

Moderator
Mary Murrin, Social Investment Team Lead
Chevron

Panel
Ronald J. Baillie, Co-Director
Carnegie Science Center

Gabriella Gonzalez, Ph.D., Senior Social Scientist
RAND Corporation

Charles F. Mahoney, Executive Director
Intermediate Unit 1

Lee Ann Wainwright, Policy, Government and Public Affairs Representative
Chevron

spOILed Screening and Q&A with Movie Director/Producer
Sponsored by Talisman Energy USA Inc. part of the Repsol Group

When it comes to what we’re told about oil, there’s rhetoric and then there’s reality. For more than 13 years, journalist turned media analyst Mark Mathis has studied America’s use of oil. What he discovered along the way shocked him so thoroughly that he made a movie about the misinformation, distortions and even outright lies about oil. Join us for a screening of the movie and a Q&A with Mark Mathis.

Mark Mathis, Director/Producer
spOILed Movie

11:45 am – 1:40 pm
Terrace Ballroom

Luncheon and Sponsor Remarks
Sponsored by Noble Energy

Noble Energy will share a brief video highlighting its partnership with ARC Human Services of Washington County. This partnership demonstrates the great work of this organization and also how Noble Energy lives out its purpose of “Energizing the World, Bettering People’s Lives” right here in our communities.

R.J. Moses, Operations Manager
Noble Energy

Staying Ahead of Federal and State Regulations: A Partnership with Academia and Government
Sponsored by XTO Energy

Considering the oil and gas industry’s evolving regulatory landscape around the country, ExxonMobil, General Electric, the Environmental Defense Fund, and others have partnered in an innovative national program to provide training to state regulators and policy makers involved with oil and gas development. Learn more about this educational program, TopCorp, which brings together a unique partnership between the corporate and environmental communities, and universities like Penn State University, the University of Texas, and the Colorado School of Mines. TopCorp offers courses to regulators across the nation about the changing dynamics in state regulations, industry best practices, and operating techniques utilized by the industry. At its core, the TopCorp energy program provides regulatory agencies – at no cost to them – an edge in dealing with our highly-sophisticated industry. With SHALE INSIGHT™ focused on Pennsylvania – a state with a changing regulatory environment – this general session will shine the light on a provocative and innovative approach using education as the tool to move forward together.
Panel
James Ladlee, Interim State Extension Program Leader
Energy, Entrepreneurship, and Community Development
The Pennsylvania State University

Hilary Olson, Ph.D., Director of Education, Training and Outreach
College of Petroleum and Geosystems Engineering
The University of Texas

Building a Renaissance in Manufacturing through Affordable and Abundant Natural Gas: Unlocking the Door to New Manufacturing
Sponsored by CONSOL Energy

Join us for an exciting panel comprised of leaders from manufacturing, power generation and from our natural gas industry to discuss the job growth and manufacturing opportunities presented through abundant and affordable natural gas. Panelists will address the contributions being made to cleaning our air through the use of natural gas in power generation. We will shine the spotlight on new manufacturing innovations that will fuel our economic recovery with new jobs in plastics, pharmaceutical medications, transportation applications and chemical development. And this panel will address the economic upside for traditional Pennsylvania industries like steel, glass and fertilizer development through affordable natural gas supplies, all made possible through shale development.

Moderator
David Taylor, President
Pennsylvania Manufacturers Association

Panel
Anusha Kothandaraman, Director, Strategy
Braskem America

Erica Bowman, Vice President, Research and Policy Analysis and Chief Economist
America’s Natural Gas Alliance (ANGA)

1:40 pm – 2:40 pm
NETWORKING BREAK IN EXHIBIT HALL

1:45 pm – 3:45 pm
119 AB
Technology Showcase
Sponsored by Ben Franklin Shale Gas Innovation and Commercialization Center

Learn about new, innovative and emerging technologies developed for the natural gas industry. The Marcellus Shale Coalition Research Collaborative is hosting the Technology Showcase to provide suppliers of emerging technologies with an opportunity to present their technology to the natural gas producer, midstream pipeline and service communities.

Keynote
Kemal Anbarci, Ph.D., Vice President and Managing Executive
Chevron Technology Ventures

Moderator
William J. Hall, C.P.G., Director
Shale Gas Innovation and Commercialization Center
Ben Franklin Technology Partners

Presenters
Michael Derzack, Vice President & Chief Science Officer
DirkThomas Solutions, LLC

Jeremy Dockter, Director
Expansion Energy LLC

Mark Miller, President
Grafton Withers, Commercial Director
FyreRok Reservoir Consulting

Donny Beaver, CEO and Founder
HalenHardy, LLC

Earle Drack, Vice President Business Development
PetroMar Technologies, Inc.

Nick Manis, Product Specialist
William Powers, CEO
PixController, Inc.

Albert Ketler, President
Rel-Tek Corporation

Paul Battista, Business Development Manager
SunnySide Supply, Inc.

Jared Oehring, Director of Technology
U.S. Well Services
Characterization and Remediation Implications of Act 2 for the Oil and Gas Industry
Sponsored by Woodard & Curran

Proposed regulations implementing the 2012 Oil and Gas Act are under revision and include the addition of Chapter 78a, specific to unconventional wells. The mandatory use of Act 2 (Pennsylvania’s Land Recycling and Environmental Remediation Standards Act), along with other pending changes, will require further understanding of the regulatory standards, guidance and procedures for characterization, remediation and reporting requirements. The proposed version will require the use of Act 2 to address spills and releases of regulated substances under timelines specific to the gas industry, and eliminate the option of using an alternative process for addressing spills and releases provided for in technical guidance issued by the PA DEP.

1.0 Professional Development Hour

Moderator
John Bolakas, Vice President
Woodard & Curran

Panel
Terry Bossert, Esq., Vice President - Legislative and Regulatory Affairs
Range Resources Corporation

Chad Coy, P.E., Project Manager
Woodard & Curran

Michael Meloy, Esq., Lawyer
Manko, Gold, Katcher & Fox

Effective Practices during Incident Response
Sponsored by K&L Gates LLP

Join K&L Gates partners David Raphael and Nicholas Ranjan as they discuss effective practices during incident response. This presentation will focus on how E&P and midstream companies can prepare for, respond to, and recover from emergency situations; cover a variety of potential oil and gas incidents and emergencies; and provide guidance on how to successfully develop, manage and implement an incident response strategy to ensure business continuity. Learn how to prevent and minimize liabilities and losses during emergency situations, how to communicate effectively with the government and the public, and the importance of training and support for company personnel involved with incident response.

Moderator
David Raphael, Esq., Partner
K&L Gates LLP
CONFERENCE SCHEDULE

SHALE INSIGHT™ 2015 PROGRAM

Panel
Blaine Lucas, Esq., Shareholder
Babst Calland

Scott Coburn, Esq., General Counsel
Pennsylvania State Association of Township Supervisors

Trip Oliver, Manager
Chevron

122 B

Water Treatment, Technology and Storage in an Ever-changing Landscape
Sponsored by Fluid Recovery Services (FRS)

This session will focus on a discussion involving water management strategy, with consideration for the changing exploration and production (E&P) landscape, new regulations, and new economic realities, all of which are prompting a need-based, fresh look at technologies. The panel will provide a summary of trends, regulatory and compliance standards, and technologies, focusing on their impact and how they can fit into an E&P program to provide solutions that support sustainability.

1.0 Professional Development Hour

Moderator
Paul Hart, President
Fluid Recovery Services (FRS)

Panel
Richard Adams, EHS Director
Chief Oil & Gas

Kevin Garber, Esq., Attorney at Law
Babst Calland

Devesh Mittal, Vice President, Industrial Solutions
Aquatech

120 BC

Working with Public Water Utilities: Reliable and Beneficial Water Sources for Hydraulic Fracturing
Sponsored by American Water

This session will provided an overview of several projects in which various exploration and production (E&P) companies have worked cooperatively with Pennsylvania-American Water Company (PAWC) to make prudent investments for water system improvements to provide reliable water supplies for hydraulic fracturing in their areas of development. In addition to discussing the benefits to the E&P and existing customers of PAWC, panelists will also focus on the benefits to the surrounding communities as these projects extended water services to areas where reliable public water services were desired but were not previously economically feasible.

1.0 Professional Development Hour

Moderator
Kathy Pape, Esq., Senior Vice President, Mid-Atlantic Division
American Water

Panel
Gladys M. Brown, Esq., Chairman
Pennsylvania Public Utility Commission

Michael Endler, P.E., Vice President, Appalachian Regional Manager
Rex Energy Corporation

Robert Heinle, Engineering Manager - Appalachia Division
XTO Energy

Honorable Scott E. Hutchinson (R-21)
Pennsylvania State Senate

4:10 pm – 4:45 pm
Terrace Ballroom

Natural Gas, Energy Security, and Enhancing U.S. National Interests Abroad
Sponsored by Range Resources Corporation in Partnership with Bracewell & Giuliani LLP

For decades, economic security has been synonymous with energy security and America has now been blessed with a new found wealth of oil and natural gas. Mayor Giuliani will address how the energy revolution in Pennsylvania and across the United States has strengthened our geopolitical position as a nation and has provided influence to our political leaders. Mayor Giuliani will discuss how affordable and abundant natural gas is now being used to generate the bulk of New York City’s power, all while cleaning our air and reducing dependence on foreign oil imports. Topics covered will include transportation issues and how low cost and clean natural gas fuel used in bus fleets is contributing to the quality of life in New York City. The Mayor will also address the short-sighted policies in New York State that have starved the Southern Tier from the enormous economic engine of shale development, and will call for a renewed effort of public awareness to open the doors for shale exploration in the Empire State. Join us for this exciting Keynote address that will close the opening day of SHALE INSIGHT™ 2015.

Honorable Rudolph W. Giuliani,
Partner
Bracewell & Giuliani LLP
Former Mayor of New York City

5:00 pm – 6:30 pm
Exhibit Hall

NETWORKING RECEPTION
Sponsored by Chesapeake Energy Corporation
THURSDAY, SEPTEMBER 17

6:30 am
Registration Open

6:30 am – 8:00 am
Terrace Ballroom
Continental Breakfast

8:00 am – 9:50 am
Terrace Ballroom
Welcome and Opening Remarks
David J. Spigelmyer, President
Marcellus Shale Coalition

Presentation of SGICC Environmental Health
and Safety Award
William J. Hall, C.P.G., Director
Shale Gas Innovation and
Commercialization Center
Ben Franklin Technology PArtners

Philadelphia Business Community Welcome
Gene Barr, President and CEO
Pennsylvania Chamber of Business
and Industry

Marcellus-Utica Gas and NGL Takeaway:
The Cavalry is on the Way
Sponsored by MarkWest Energy Partners, L.P.
The dramatic growth in natural gas and NGL
production from the Marcellus and Utica shales is
transforming America’s energy landscape. With such
tremendous success, regional supply is outpacing
demand and commodity prices have come under
pressure. But don’t fear — support is riding in with
the next wave of infrastructure solutions to help
balance the region’s supply and demand. As a
leading midstream visionary, Randy Nickerson will
share his insights on how critical new infrastructure
projects will help fulfill the tremendous potential of
these highly prolific resource plays and solidify the
Northeast as a global gas and NGL powerhouse.
Randy Nickerson, Executive
Vice President and Chief
Commercial Officer
MarkWest Energy Partners, L.P.

9:50 am – 11:00 am
Exhibit Hall
NETWORKING BREAK

Pipeline Infrastructure and LNG Development:
Connecting New Markets
This general session panel brings together experts
focused on interstate and midstream natural gas
pipeline development as a key to U.S. energy
security and manufacturing growth. Topics will
cover challenges in siting pipelines, necessary
capacity additions to curb the deep discounts being
experienced in the Appalachian Basin and the need
for interstate pipeline take-away capacity to meet
traditional and expanding new markets. The panel
will address ongoing pipeline projects and the
global opportunities being presented to the U.S by
developing LNG facilities and markets. Don’t miss
this Shale Insight perspective on the infrastructure
challenges being managed in the region.

Moderator
Nora Mead Brownell,
Founding Partner
ESPY Energy Solutions, LLC
Former FERC Commissioner

Panel
David Gray, SVP Midstream Asset
Management and Sales
EQT Midstream Partners

Corey Grindal, Vice President,
Supply-Marketing
Cheniere Energy

Brian McKerlie, Vice President,
Business Development
Spectra Energy

David Wochner, Esq., Partner
K&L Gates LLP
10:00 am – 12:00 pm 119 AB

How Applicants Can Manage Effectively a FERC Project: Permitting, Communication and Compliance
Sponsored by UGI Energy Services

The United States is now the largest producer of hydrocarbons in the world; however, this distinction retains its significance only to the extent that oil and gas can be delivered safely to meet the energy needs of consumers. This workshop will aid operators in navigating the comprehensive review process of the Federal Energy Regulatory Commission (FERC), which has jurisdictional review of interstate natural gas pipelines and other related energy infrastructure projects.

1.0 Professional Development Hour

Moderator
Patricia Kornick, Senior Public Affairs Consultant
Natural Resource Group (NRG) LLC

Panel
Larry Brown, Partner
Natural Resource Group (NRG) LLC

Andrea Grover, Director, Stakeholder Outreach
Spectra Energy

Alisa Harris, Vice President, Government and Public Affairs
UGI Energy Services

11:00 am – 12:15 pm 126 AB

Achieving Success in a Demanding Market: Pipeline Project Siting, Supporting Infrastructure Buildout and Addressing Community Based Challenges
Sponsored by Civil & Environmental Consultants, Inc. (CEC)

A panel of seasoned pipeline project experts will explain and address the diverse challenges of planning, permitting, and bringing projects online successfully amidst the demands of the market, a changing regulatory environment, and a vocal and engaged public.

1.0 Professional Development Hour

Moderator
Lauren Parker, P.E., Principal
Civil & Environmental Consultants, Inc. (CEC)

Panel
Josh Brown, Supervisor-Permitting
Williams

Keith Coyle, Esq., Of Counsel
Van Ness Feldman LLP

Elam M. Herr, Assistant Executive Director
Pennsylvania State Association of Township Supervisors

Kimberly Price, Community Relations
Rice Energy Inc.

Community Engagement on Conditional Use Hearings
Sponsored by Inflection Energy, LLC

This session will focus on how to successfully navigate through the conditional use hearing process from both a legal and community engagement perspective. Inflection Energy has developed a process that has helped alleviate the misconceptions too often presented to the public in a manner that engages local residents and elected officials in a conversational setting.

Moderator
Matt Henderson, Public Relations Manager
Inflection Energy, LLC

Panel
Thomas Gillespie, Director, Regulatory, HS&E
Inflection Energy, LLC

Joseph Hamm, Supervisor – Chairman
Hepburn Township Board of Supervisors

Thomas Shepstone, President
Shepstone Management Company
Publisher of NaturalGasNOW.org

Susan Smith, Esq., Attorney
Law Office of Susan J. Smith

122 B

Cyber Risk: Oil and Gas Facility Protection Against Cyber Attacks
Sponsored by Deloitte LLP

While information technology (IT) and the Internet have contributed to the increase of operational efficiency, creativity and productivity for oil and natural gas companies, technological improvements and cyber innovations have also created vulnerabilities and increased threats to the energy sector, which supports the nation’s critical infrastructures and supply chain. It is vulnerable to two types of cyber threats—to companies’ IT systems used for business and administrative purposes, and to operational technology (OT) such as the sensors, SCADA systems, software and other controls that operate such things as pipelines and compressor stations. This panel discussion with cybersecurity specialists will focus on preparing and monitoring for signs of an attack, and critical steps to take in responding to a cyber-attack.

Moderator
Adam Roth, CPA, M.T., Partner
Deloitte LLP
Panel
David E. Andrejcak, Deputy Office Director
Office of Energy Infrastructure Security,
Federal Energy Regulatory Commission (FERC)

Donald French, Vice President and Chief Information
Security Officer
Columbia Pipeline Group

David Zacher, Senior Manager
Deloitte LLP

120 BC

Emergency Response Planning: Keys to Building
a Successful Environmental, Health and Safety
Culture within the Appalachian Basin
Sponsored by Hull & Associates Inc.

In this emergency response planning session, attendees will learn from industry experts about successful, practical approaches for managing rapid response incidents and will focus on situations outside of a ‘well-control’ scenario.

1.0 Professional Development Hour

Moderator
Don Zuch, P.G., Principal
Hull & Associates Inc.

Panel
Dominick Anselmo, Senior Project Manager
Hull & Associates Inc.

Doug Mehan, Director HES
PennEnergy Resources LLC

Rich Weber, EHS Emergency Response Coordinator
Ascent Resources, LLC

121 A

Pipeline Safety: Understanding Federal and State
Regulatory Programs Which Affect Midstream
Pipeline Operations
Sponsored by Williams

The significance of pipeline safety has grown dramatically in recent years, primarily as a result of several high-profile incidents and the development of the nation’s shale plays. This session will include presentations on current issues in pipeline safety, including an overview of the federal and state regulatory programs, a discussion of the regulations for gas and hazardous liquid gathering lines and the special concerns that arise for legacy pipeline systems, and a review of recent federal and state legislative developments.

1.0 Professional Development Hour

Moderator
John Satterfield, Senior Director – Government
Affairs and Environmental Programs
Williams

Panel
Susan Olenchuk, Esq., Partner
Van Ness Feldman LLP

Beth Powell, Vice President and General Manager
New Pig Energy

12:15 pm – 2:15 pm
Terrace Ballroom

Luncheon

Energy Security = National Security

We are honored to welcome decorated Iraqi war veteran, Captain James McCormick to address SHALE INSIGHT 2015 attendees. Captain James McCormick was awarded a Silver Star, Bronze Star with Valor, Purple Heart, Meritorious Service Medal, Operation Desert Storm and Iraqi Freedom service awards, and received a Congressional Medal of Honor Society “Citizens Service Before Self” civilian medal. Captain McCormick will speak about the intersection of America’s new-found energy resources and the impact those resources have on our nation’s security. His remarks and views are influenced by his tours of combat duty in Iraq and the willingness of some to use energy as a geopolitical weapon. Don’t miss this important Keynote Address of SHALE INSIGHT™ 2015!

Captain James McCormick,
U.S. Army (Retired)
State Program Director,
Vets4Energy
**Policy Reflections: A Discussion with Pennsylvania Speaker of the House**

Marcellus Shale Coalition (MSC) Chairman Scott Roy (Range Resources) and MSC President Dave Spigelmyer will lead a sit down discussion with Pennsylvania Speaker of the House Mike Turzai, sharing an insiders perspective of the current budget challenges and structural issues facing the Commonwealth of Pennsylvania. Speaker Turzai will provide his reflections relating to his “Speaker’s Summit on Manufacturing” conducted in nearly every region of the state during the spring and summer months of 2015. Turzai's perspectives relating to the opportunities presented to the Commonwealth through affordable natural gas and natural gas liquids supply will round out this discussion with the guests of SHALE INSIGHT™ 2015.

**K. Scott Roy**, VP – Government Relations, Environmental Compliance, Safety and Security
Range Resources Corporation

**David J. Spigelmyer**, President
Marcellus Shale Coalition

**Honorable Mike Turzai (R-28)**, Speaker
Pennsylvania House of Representatives

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**Innovation, Shale, and the Second American Century**

In this presentation, Robert Bryce will discuss the hallmarks of innovation and how the inexorable trend toward smaller, faster, lighter, denser and cheaper has consistently proven the catastrophists wrong. He’ll also explain the reasons behind the shale revolution and why the U.S. will continue dominating the global economy for decades to come.

**Robert M. Bryce**, Senior Fellow,
Manhattan Institute
Journalist and Author

**Smaller Faster Lighter Denser Cheaper: How Innovation Keeps Proving the Catastrophists Wrong**

2:20 pm **Conference Conclusion**
EXHIBIT HALL
Exhibit Hall E, 2nd Floor

Attendees will have an opportunity to see firsthand the strength and depth of the vast business network integral to the expanding footprint of the shale gas revolution. Exhibiting companies will showcase products, services and the latest tools and resources available to maintain and advance shale gas development.

EXHIBIT HALL HOURS
Wednesday 9:00 am – 6:30 pm
12:00 pm – 1:30 pm
Lunch Break/Exhibit Hall Closed
Thursday 9:00 am – 12:00 pm

REFRESHMENT BREAKS
Wednesday 9:20 am – 10:30 am
1:40 pm – 2:40 pm
Thursday 9:50 am – 11:00 am

NATURAL GAS USE DISPLAY
Sponsored by America’s Natural Gas Alliance (ANGA) and Waste Management

Wednesday 9:00 am – 6:30 pm

TECHNOLOGY SHOWCASE DISPLAY
Sponsored by Ben Franklin Shale Gas Innovation and Commercialization Center

Wednesday 5:00 pm – 6:30 pm

NETWORKING RECEPTION
Sponsored by Chesapeake Energy Corporation

Wednesday 5:00 pm – 6:30 pm
ACT ENGINEERS, INC.*
Booth 616
215-660-5077
actengineers.com
ACT Engineers, Inc. is a Pennsylvania DGS-certified, woman-owned small business. This civil engineering, land surveying, permitting and public outreach firm has served energy, government, private and institutional clients for more than 25 years.

AECOM*
Booth 707
412-503-4700
aecom.com
AECOM, a fully integrated professional and technical services firm, permits, designs, builds, finances and operates infrastructure assets globally. With offices throughout the Appalachian Basin, its oil and gas experts serve upstream, midstream and downstream operators, improving efficiency and safety.

AGGREKO
Booth 411
412-709-9857
aggrekooilandgas.com
Aggreko is the global market leader in providing temporary rental power generators for applications of all kinds. In the oil and gas industry, Aggreko helps operators reduce their overall operating costs by maximizing the efficiency of any remote power needs. NG and diesel units are available.

ALS ENVIRONMENTAL*
Booth 806
717-944-5541
alsglobal.com
ALS Environmental is the right partner for analytical testing specific to oil and gas production activities and midstream pipeline construction. ALS has years of experience providing reliable analysis and exceptional support to operators, midstream companies, consultants and agencies.

AMERICA’S NATURAL GAS ALLIANCE (ANGA)
Booth 706
202-789-2642
anga.us
Representing North America’s leading independent natural gas exploration and production companies, ANGA works with industry, government and customer stakeholders to promote the demand for and continued availability of the nation’s abundant natural gas resource for a cleaner and more secure energy future.

ARM GROUP INC.*
Booth 816
717-508-0542
armgroup.net
ARM Group Inc. is an earth resource engineering/consulting firm providing solutions for upstream and midstream companies. ARM’s services include civil/geotechnical engineering, water resources, natural resources, geophysics, permitting/planning, surveying, GIS, CQA and environmental/compliance.

BEN FRANKLIN SHALE GAS INNOVATION AND COMMERCIALIZATION CENTER*
Booth 416
814-863-4881
psu.edu
The Ben Franklin Shale Gas Innovation and Commercialization Center (SGICC) is funded by the PA DCED, and focuses on identifying and supporting small companies developing and commercializing new technologies to benefit the shale energy industry, providing increased employment and wealth creation.

BUREAU VERITAS NORTH AMERICA, INC.*
Booth 811
954-233-0943
us.bureauveritas.com
Founded in 1828, Bureau Veritas is a global leader in testing, inspection and certification (TIC), delivering high quality services to help clients meet the growing challenges of quality, safety, environmental protection and social responsibility. Bureau Veritas offers innovative solutions to help clients with potential health, safety and environmental concerns with unconventional extraction.

BURNS & MCDONNELL ENGINEERING COMPANY, INC.*
Booth 810
816-448-7536
burnsmcd.com
Burns & McDonnell is a full-service engineering, architecture, construction, environmental and consulting solutions firm that plans, designs, permits, constructs and manages facilities all over the world with one mission in mind: to make its clients successful.

CALFRAC WELL SERVICES
Booth 430
412-715-3594
calfrac.com
Calfrac is an innovative fracturing, cementing and coil tubing service provider focused on North America’s unconventional natural gas and light oil plays. With its state-of-the-art equipment, in-house R&D, and expert team of employees and experienced management, Calfrac is positioned for continued success.

CALIFORNIA UNIVERSITY OF PENNSYLVANIA
Booth 306
724-938-4710
calu.edu/golandmanagement
California University of Pa. is a regionally accredited, state-system university that offers, through its Professional Studies Department, 100 percent online land management programs designed to meet the workforce needs of the oil and gas industry.
CAPSTONE DISTRIBUTOR, E-FINITY DISTRIBUTED GENERATION
Booth 206
610-688-6212
efinity.com

E-Finity Distributed Generation is the exclusive mid-Atlantic and southeast distributor for Capstone Turbine. The company actively promotes onsite energy efficient power solutions with Capstone microturbine technology, providing customers with green power independence for oil and gas, commercial and industrial, and resource recovery applications.

CARDNO
Booth 614
717-205-3769
cardno.com

Cardno has more than 30 years of experience providing services to a broad range of oil and gas clients ranging from integrated, global companies to local, specialized firms. The company assists clients throughout all aspects of the oil and gas industry, including exploration, production and transmission.

CH2M*
Booth 507
720-286-2000
ch2m.com

CH2M is a global leader in full-service consulting, design-build, operations and program management for the oil and gas industry. CH2M offer a partnership approach with expertise, integrity and experience to help its clients navigate the complexities facing O&G development in today’s complex market.

CIVIL & ENVIRONMENTAL CONSULTANTS, INC. (CEC)*
Booth 317
412-429-2324
cecinc.com

CEC is a reliable resource in the expanding energy industry, delivering integrated engineering, ecological and environmental solutions for upstream developments, midstream pipeline projects, and processing and infrastructure facilities — allowing clients to put their primary focus on operations.

CLEAN EARTH, INC.
Booth 714
215-734-1400
cleanearthinc.com

Clean Earth, Inc. offers specialty waste recycling, beneficial reuse, and disposal services to energy, infrastructure, commercial and industrial markets. Headquartered in Hatboro, PA, Clean Earth operates a network of 14 full-service facilities.

CSI
Booth 717
610-439-1600
comsysinc.com

For more than four decades, CSI has been providing integrated security solutions to law enforcement, anti-terrorism task forces, prisons, schools, critical infrastructures and financial institutions. The company provides security solutions that meet and exceed NERC CIP compliance.

D.A. NOLT, INC. OF PA
Booth 210
570-363-2222
danolt.com/pa

The D.A. Nolt system features an impermeable membrane with leak detection that is installed subsurface protecting the entire well pad during drilling, hydraulic fracturing and completions. The system also collects and stores fresh rainwater for use during drilling and hydraulic fracturing operations.

DADE MOELLER & ASSOCIATES, INC.*
Booth 427
301-990-6006
dademoeller.com

Dade Moeller specializes in radiological and nuclear safety, environmental protection, environmental quality, worker safety and health, and technical site services. It provides a full range of services to clients, including support to facilities and sites that deal with NORM issues and NORM training.

EARTHSOFT, INC.
Booth 624
440-212-4062
earthsoft.com

EarthSoft’s EQuIS is a worldwide leader in technical data management with automated workflows managing scientific and environmental, compliance, operations and inspection data. The Marcellus Shale Coalition chose EQuIS as its data management system for centralized regulatory reporting.

ENERGY SOLUTIONS*
Booth 813
801-649-2000
energysolutions.com

EnergySolutions is the global leader in the safe recycling, processing and disposal of nuclear material providing state-of-the-art technology to the United States government, the government of the United Kingdom, nuclear power plants worldwide and various medical and research facilities.

ENTECH ENGINEERING*
Booth 725
610-373-6667
entecheng.com

Entech Engineering helps clients in Marcellus/Utica Shale plays make connections and informed decisions for upstream, midstream and downstream natural gas infrastructure. It delivers planning, design and environmental consulting services with rapid response for well pads, pipelines, compressor and metering, and transmission.

ENVIRONMENTAL SERVICE LABORATORIES, INC.*
Booth 207
724-463-8378
environmentalservicelab.com

Environmental Service Laboratories, Inc. is a full-service laboratory providing analytical testing to Pennsylvania’s largest engineering firms, regulatory agencies, natural gas drilling firms and other commercial industries. ESL offers online client reporting and dedicated project management.

*Marcellus Shale Coalition (MSC) Member
ENVIROMENTAL TANK & CONTAINER (ETC)*
Booth 808
855-382-8265
etctank.com
Environmental Tank & Container (ETC) is a leading equipment manufacturer for the E&P, midstream, and power generation sectors of the oil and natural gas industry. Its equipment is manufactured by certified welders and inspected by third party inspectors. ETC is API, ASME and ISO certified.

ESC LAB SCIENCES*
Booth 314
215-341-1141
esclabsciences.com
ESC Lab Sciences is a single-location nationally certified full service environmental laboratory. We provide analyses on soil, groundwater, wastewater, drinking water, air, & TCLP matrices. ESC is ready to serve as your primary lab resource in quality, service, & capacity. ESC...One Lab Nationwide.

EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC*
Booth 221
717-656-2300
lancasterlabs.com
With more than 50 years of experience, Eurofins Lancaster Laboratories Environmental offers a comprehensive scope of testing services, field expertise, program management and litigation support for all stages of shale oil and gas exploration to help clients manage their shale gas development cycle.

FAIRWAY LABORATORIES*
Booth 525
814-932-7798
fairwaylaboratories.com
Fairway Laboratories is an environmental analytical testing laboratory, established in 1977. It is NELAP-certified with locations in Altoona, Williamsport and Southpointe/Canonsburg, PA; Cambridge, OH and Fairmont, WV. The company provides soil, water and gas analysis, and specializes in baseline water testing, drill cuttings, production water, and methane-ethane-propane analysis.

FISHER SCIENTIFIC*
Booth 615
724-517-1500
fishersci.com
Thermo Fisher Scientific Inc. is the world leader in serving science, with revenues of $17 billion and 50,000 employees in 50 countries. Its mission is to enable its customers to make the world healthier, cleaner and safer.

FRONTIER ENVIRONMENTAL*
Booth 521
412-759-8908
frontierenv.com
Frontier Environmental Services is a full-service construction company specializing in pipeline construction, site work and slip repairs for the oil and gas industry while protecting nature and the environment. It is based in the Laurel Highlands of Pennsylvania, with locations throughout the Marcellus and Utica Shale.

FUEL FREEDOM FOUNDATION
Booth 627
949-833-6960-115
fuelfreedom.org
Fuel Freedom Foundation seeks to open the U.S. transportation fuels market to cleaner, cheaper, American-made alternatives. Enabling natural gas-derived and other fuels to compete with gasoline at the pump will reduce costs for consumers, improve air quality and strengthen national security.

GAI CONSULTANTS, INC.*
Booth 326
412-476-2000
gaiconsultants.com
Environmental and engineering consultants providing survey, well location plats and site layout; water management plans’ environmental field work, compliance and permitting; environmental site assessments; cultural resources; PPC/SPCC plans; wastewater evaluation and treatment plans; geologic and geotechnical investigations; and compressor stations and piping design.

GEOCHEMICAL TESTING
Booth 625
814-443-1671
geo-ces.com
Geochemical Testing is a NELAP-accredited analytical laboratory certified for over 1,000 parameters of chemical analysis that samples and tests solids and liquids including groundwater, soil, oil and gas drill cuttings and drilling fluids for a large number of contaminants and chemical properties.

GHD*
Booth 324
734-453-5123
ghd.com
GHD is one of the world’s leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation.

GLENN O. HAWBAKER*
Booth 823
814-237-1444
goh-inc.com
Glenn O. Hawbaker is a full-service, civil construction company spanning the Marcellus and Utica plays with 1,200 employees, eight asphalt plants and 24 quarries and the ability to mobilize to meet any construction need. Visit its website for complete information about locations and services.

GREATER PHILADELPHIA CHAMBER OF COMMERCE
Booth 631
215-790-3819
greaterphilachamber.com
Select Greater Philadelphia is the business attraction marketing organization for the 11 county region of northern Delaware, southern New Jersey and southeastern Pennsylvania. Through a devoted focus on marketing and communications, Select supports the economic vibrancy and growth of the community.

*Marcellus Shale Coalition (MSC) Member
GES is celebrating 30 years of service to the oil and gas industry. The company provides a comprehensive list of environmental compliance, remediation and due diligence services to the upstream, downstream and midstream sectors. It is ranked #17 on the ENR Top Pure Environmental Services Firms list and has offices nationwide.

GSE ENVIRONMENTAL, INC.
Booth 415
281-443-8564
gseworld.com

GSE Environmental’s geomembranes are available in smooth or textured surfaces and in a variety of colors and folds for quick deployment on site. The GSE Leak Location Liner is the only liner on the market that allows clients to electrically test both exposed and covered applications for leaks.

HANOVER ENGINEERING ASSOCIATES, INC.*
Booth 307
610-691-5644
hanovereng.com

Hanover Engineering’s services include mechanical engineering, municipal engineering, structural engineering, utility line design and permitting, environmental consulting, subdivision and land development, stormwater management, transportation planning and permitting, surveying and CAD, and GIS and GPS services.

HDR*
Booth 527
412-497-6028
hdrinc.com

HDR has partnered with clients to shape communities and push the boundaries of what is possible since 1917. The company specializes in engineering, architecture, environmental and construction services. With nearly 10,000 employees in more than 225 locations around the world, HDR thinks globally and acts locally.

HOLLOMAN CORPORATION*
Booth 824
281-878-2600
hollomancorp.com

Holloman is a global engineering, procurement and construction company that provides a diversified approach to superior design, robust master planning, safe construction, and proven quality service within the energy industry.

HONEYWELL SAFETY PRODUCTS*
Booth 515
800-430-5490
honeywellsafety.com

Honeywell Safety Products is a leading global manufacturer focused on PPE, providing safety solutions for all industries. Brands include Honeywell, Uvex®, Miller®, North®, Howard Leight®, Fibre-Metal®, Oliver® and Salisbury.

HULL & ASSOCIATES, INC.*
Booth 716
614-793-8777
hullinc.com

Hull provides high-caliber services to the shale oil and gas market, supporting producers, service companies and drillers with a full suite of engineering and environmental services enhanced by its unique regulatory expertise. HULL’s seasoned team is well-known throughout the Appalachian Basin.

HYDRO RECOVERY LP*
Booth 612
717-329-6402
hydrorecoverylp.com

Hydro Recovery LP has proven experience providing economical and environmentally friendly solutions in the management of oil and gas liquid waste by providing management of multiple clients’ raw water for treatment and reuse, above-ground storage tanks within secondary containment, disposal options through recycling, low and high solids management, friction reducer treatment and more.

IMPACT ENVIRONMENTAL
Booth 807
impactenvironmental.com

INTERNATIONAL SOCIETY OF AUTOMATION (ISA)
Booth 424
919-549-8411
isa.org

Founded in 1945, the International Society of Automation is a leading global, nonprofit organization that is setting the standard for automation by helping more than 30,000 members and professionals solve difficult technical problems while enhancing their leadership and personal career capabilities.

INTERTECH SECURITY*
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412-246-1200
intertechsecurity.com

Our customized solutions integrate diverse products and functionality into a unified infrastructure. We are uniquely positioned to design, deliver, monitor & service comprehensive solutions integrating systems spanning security, life safety/fire detection, communication, A/V, networks and telephony.

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877-362-4190
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Isotech offers superior geochemical services and expert staff. It is known for high precision isotope analysis of mud gases, produced gases, and dissolved gases, plus innovative sampling containers such as the IsoTube, IsoJar, IsoTrap and IsoFlask.
KEYSTONE CLEARWATER SOLUTIONS
Booth 406
724-591-8655
dw@keystoneclear.com

Keystone Clearwater’s dedicated field operations team is able to engineer, design, permit, construct and manage complex water transfer projects for exploration and production companies while maintaining high safety standards and compliance with all environmental regulations.

LACKAWANNA COLLEGE – SCHOOL OF PETROLEUM AND NATURAL GAS
Booth 312
412-249-3874
www.lackawanna.edu

The mission of the Lackawanna College School of Petroleum & Natural Gas is to provide a trained workforce for the petroleum and natural gas industry through its Petroleum & Natural Gas Technology, Measurement, Compression, and Business Administration associate degree programs.

LARSON DESIGN GROUP
Booth 217
570-323-6603
larsondesigngroup.com

LDG works with several major gas players in surveying, design and various permit applications. Its work includes site layout for well pads, surface water withdrawal and water impoundment projects, site investigation, right-of-way plans, permitting for pipeline projects, and M/E/P and structural design.

MARCELLUS SHALE COALITION
Booth 601
412-706-5160
marcelluscoalition.org

The Marcellus Shale Coalition (MSC) works with exploration and production, midstream, and supply chain partners in the Appalachian Basin and across the country to advocate for the production of clean, job-creating, American natural gas.

MARKWEST ENERGY PARTNERS, L.P.
Booth 401
303-925-9242
markwest.com

MarkWest continues to expand on its success as a full-service midstream provider that drives innovative solutions for its producer customers. Its commitment to deliver best-in-class service supports the long-term development of the Marcellus and Utica shale plays.

MATRIX NAC
Booth 215
724-263-4121
matrixnac.com

Matrix NAC is a direct-hire union construction company that provides a full range of general construction, maintenance and renovation services to North American industrial markets. Matrix NAC, a subsidiary of Matrix Service Company, has offices in Canonsburg, PA, Hammond, IN, and Burlington, ON, Canada.

MOODY AND ASSOCIATES, INC.
Booth 724
814-724-4970
moody-s.com

Groundwater and environmental professionals since 1891, Moody and Associates, Inc., provides energy industry support services throughout PA, NY, OH and WV, including water resource management, sampling, spill response, permitting, homeowner complaints, wetlands delineation and UIC permitting.

NATURAL GAS INTELLIGENCE
Booth 711
703-318-8848
naturalgasintel.com

Natural Gas Intelligence (NGI) provides news and market pricing information for the natural gas industry. First published in 1981, NGI serves thousands of industry participants across the globe. NGI’s newest offering, Shale Daily, is the only newsletter devoted exclusively to N.A. shale gas.

NEMACOLIN WOODLANDS RESORT
Booth 607
724-329-6154
nemacolin.com

Situated in the Laurel Highlands of southwestern Pennsylvania, Nemacolin Woodlands Resort is consistently recognized in the travel industry for superior customer service, luxurious accommodations, four-season amenities and as a first-class meeting destination. Expect the unexpected at Nemacolin.

NEW PIG ENERGY
Booth 310
855-744-5463
newpigenergy.com

New Pig Energy was created to provide the best and safest secondary containment for drilling and fracturing operations. The NPE team brings years of in-field experience and sets the standard for answering the shale industry’s safety and regulatory needs.

NOISE SOLUTIONS INC
Booth 412
724-308-6901
noisesolutions.com

Noise Solutions turnkey approach provides you with one stop, single source contracting for all your industrial noise control and structural needs. Our equipment spans modular, self-framing, and pre-engineered buildings, from ventilation to a wide range of engine exhaust and cooler fan silencers.

ORBITAL ENGINEERING, INC.
Booth 223
412-261-9100
orbitalengr.com

Orbital Engineering provides multidisciplinary engineering services to the oil and gas industry, including civil, mechanical, electrical, safety and technology-related services for upstream, midstream and downstream. For more than 40 years, Orbital has been a leader in the engineering business.

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717-377-5423  
pacelabs.com  
Pace operates a nationwide network of NELAP-accredited environmental laboratories that provide project support for thousands of industry, consulting and government professionals. Its Pittsburgh facilities excel in various shale analyses, ranging from pre/post drill analysis to much more complex analyses.

PECO ENERGY  
Booth 316  
215-841-4783  
peco.com  
Based in Philadelphia, PECO is an electric and natural gas utility subsidiary of Exelon Corporation. PECO is the largest electric and natural gas utility in Pennsylvania, serving approximately 1.6 million electric customers and more than 500,000 natural gas customers in southeastern Pennsylvania.

PERCHERON, LLC*  
Booth 513  
832-300-6400  
percheronllc.com  
Percheron, the first nationwide, integrated land services provider, offers expertise in land, right of way, surveying, environmental and title. Its team of highly skilled professionals is committed to the use of cutting edge technology, exceptional client service and efficient project management.

PETROCHOICE*  
Booth 830  
267-705-2024  
petrochoice.com  
PetroChoice is the industry leader in providing lubrication solutions to the Marcellus and Utica shale basin 24/7/365. The company distributes the most respected lubricant/glycol brands, and assists in extending drain intervals, recommending solutions that improve efficiency and productivity, and extending equipment life.

PHILADELPHIA ENERGY SOLUTIONS*  
Booth 730  
215-339-3692  
pes-companies.com  
Philadelphia Energy Solutions Inc. owns and operates the Point Breeze and Girard Point oil refineries located on an integrated, 1,300-acre refining complex in Philadelphia. The 335,000 barrels per day of combined capacity makes PES the largest refining complex on the Eastern Seaboard.

PITTSBURGH REGIONAL ALLIANCE  
Booth 408  
412-392-4555  
pittsburghregion.org  
The Pittsburgh Regional Alliance (PRA), the economic development marketing affiliate of the Allegheny Conference, markets the benefits of conducting business in southwestern Pennsylvania to companies in the region and all over the world that are growing, relocating or expanding.

PROFILE PRODUCTS, LLC  
Booth 313  
708-840-6770  
profileproducts.com  
Profile® partners with energy companies throughout the world to find and implement the best erosion and sediment control solutions for their sites. Backed by industry leading performance and a peace of mind guarantee, Profile partners with companies to save them time, money and reputations.

PULS, INC.  
Booth 731  
800-883-6855  
pulsinc.com  
Subsurface utility engineering: PULS, Inc.’s professional civil engineers have a dedicated emphasis on subsurface infrastructures. Its foundation was built on its reputation for accurately collecting utility data in accordance with ASCE 38-02 standards for subsurface utility engineering.

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713-986-9222  
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RES develops and supplies ecological offsets to help companies obtain required permits for unavoidable impacts to wetlands, streams and environmentally sensitive habitats. It helps clients proactively manage risk from operations through impact analyses and transfer of project liability.

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717-394-3721  
rettew.com  
With more than 350 employees in 10 office locations blanketing the Marcellus and Utica shale plays, RETTEW delivers trusted midstream and upstream solutions for the oil and gas industry, including engineering, environmental consulting, surveying and geotechnical services. 1-800-738-8395.

SHALEDIRECTORIES.COM  
Booth 715  
610-764-1232  
shedirectedories.com  
Launched in 2009, ShaleDirectories.com is recognized as the #1 online directory that connects local businesses with the oil and gas industry in the six major U.S. shale plays — Marcellus, Utica, Eagle Ford, Permian Basin, Bakken and Niobrara.

SILT SAVER  
Booth 620  
706-818-2439  
siltsaver.com  
Silt Saver is a sediment and erosion control company. Every product we offer has been designed for a specific performance based result. Our patented products are made with durable high efficient materials, reducing maintenance costs. Silt Saver solves your problems on the job site.

*Marcellus Shale Coalition (MSC) Member
Specialized Desander’s equipment is installed upstream of surface equipment, providing a reliable and measurable solution to the erosional damage and hazards associated with sand entrained in high-pressure produced gas and liquid streams.

Stantec is a full-service surveying, environmental, engineering, design and construction management firm with multiple offices in Pennsylvania, West Virginia and Ohio. The company designs facilities, pipelines, terminals and refineries as well as infrastructure like processing plants and field facilities.

Sunoco Logistics, headquartered in Philadelphia, owns and operates a logistics business consisting of a geographically diverse portfolio of complementary crude oil, refined products, and natural gas liquids pipeline, terminalling and acquisition and marketing assets.

T.P. Electric, Inc. is a full-service, self-supported electrical construction firm. Its services include medium high voltage, SCADA, MCC, PLC, FD, HMI overhead and underground utilities, automation and instrumentation design, fabricate, install 508(a) UL-certified.

TenCate Geosynthetics, the global leader in geosynthetics, offers many products that play an important role in the shale oil and gas recovery industry. Its products help make the extraction process more efficient, economical and environmentally friendly.
TRINITY CONSULTANTS*
Booth 831
972-661-8100
trinityconsultants.com
Trinity Consultants advises on environmental regulatory compliance and environmental management, provides BREEZE® environmental modeling software, assists with EMIS selection and implementation, and provides EH&S professional training and EH&S staffing assistance.

UNITED STEEL STRUCTURES, INC.
Booth 617
281-496-1300
ussi.com
United Steel Structures (USSI) is the foremost industry leader in providing engineered industrial buildings and industrial building noise control to natural gas pipeline customers for compressor stations, process facilities, and the energy industries.

VISITPITTSBURGH
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visitpittsburgh.com
Want to learn more about Pittsburgh? Get all your questions answered by a knowledgeable - and friendly - VisitPITTSBURGH staff member! We’re the experts on all things Pittsburgh and can tell you all about the city’s highlights and delicious dining scene, along with the must-see attractions while you’re attending SHALE INSIGHT™ in 2016. Stop by!

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Booth 309
330-296-3820
vogelsangusa.com
Vogelsang is a world leader in manufacturing high quality, extremely dependable sludge and solids handling products for the world’s industrial, municipal and agricultural markets. Designed for highly viscous and abrasive service, Vogelsang equipment exceeds expectations in quality and performance.

WANCO, INC.
Booth 708
303-427-5700
wanco.com
Wanco, Inc. provides innovative solutions for clients’ job site challenges. It offers a full line of mobile light towers from standard diesel using metal halide lamps, to solar/LED models, to long run diesel with LED lamps that exceed 225 hours run time. Stop by booth 530 for onsite demos.

WASHINGTON COUNTY CHAMBER OF COMMERCE
Booth 214
724-225-3010
washcochamber.com
Washington County Chamber of Commerce is one of the largest chambers in the Greater Pittsburgh region, focusing on networking, economic development, tourism and advocacy. The organization was first in the region to publicly support the natural gas industry and its use for energy independence.

WILLIAMS FORESTRY AND ASSOCIATES
Booth 809
888.458.0766
Williams Forestry and Associates has planted over 105,000 acres of trees for energy companies. Williams Forestry and Associates provides restoration services to energy industries requiring safety, integrity and dependability. Our management, labor force and logistical capabilities give us the ability to work through extreme projects and conditions assuring successful completion.

ZEECO, INC.
Booth 712
918-258-8551
zeeco.com
Zeeco, Inc. is a global leader in advanced combustion and environmental solutions for the refining, production, petrochemical, LNG, power, pharmaceutical and biogas industries. With over 35 years of industry experience, Zeeco can tailor your next project to meet your production needs.

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