



DRILL YOUR WAY INTO THE MARCELLUS SHALE GAS MARKET ON OCTOBER 14TH



★ Learn all you need to know about the Marcellus Shale basin and the opportunities for Dutch companies in gas exploration and water technology;

★ Meet with First Energy, Marcellus Center for Outreach, Penn State University and DevelopErie, helping you to connect to the Pennsylvania Shale Gas industry network;

★ Find out more about the planned fact finding mission beginning of 2015;

★ To register send an email to Marco Thijssen at thijssen@pspsconsultants.nl, or call 070-322 90 06

DevelopErie cordially invites you to a Marcellus Shale Gas Information Session, held in Rotterdam, in the Maritime building, October 14th, 15.00 - 18.00 hours, at the premises of the IRO – the Association of Dutch suppliers in the oil and gas industry.

These developments entail excellent opportunities for Dutch companies, active or interested in

- Gas exploration technology, as well as storage and distribution (incl. valves, pipes production and treatment, drilling tools, pressure vessels, tanks, etc..)
- Service for exploration and corresponding areas, ranging from soil analysis to geo data management systems (incl. custom made oil & gas systems and solutions)
- Solutions for (waste/) water treatment (incl. anaerobic water purification system), ground water protection
- Improvement of traffic infrastructure
- Participation in Marcellus Shale research activities as performed by the Penn State University
- Innovative use of shale gas (no state tax on natural gas in Pennsylvania!)

AGENDA OF THE MEETING

- 14.30 - 15.00 Arrival and registration
- 15.00 - 15.10 Word of welcome; Ruud Liem, Business Development Manager IRO
Geert Hovens, Investment Representative Pennsylvania
- 15.10 - 15.35 Pennsylvania shale gas trends and macro effects; Penn State University
- 15.35 - 16.00 Development in the Marcellus region; Lisa Nentwick, First Energy
- 16.00 - 16.15 Supporting new investment in shale gas business; John Elliott, DevelopErie
- 16.15 - 16.45 Discussion and questions
- 16.45 - 17.00 Closing remarks by Peter Sanders, Representative DevelopErie in The Netherlands
Follow-up by IRO, First Energy, and DevelopErie
- 17.00 Networking event

DATE AND LOCATION

October 14th from 15:00 until 18:00
Boompjes 40 / Willemswerf,
3011 XB Rotterdam at the 15th floor

ON THE INFO SESSION AND MARCELLUS SHALE FACTS

In conjunction with its contact office in the Hague, DevelopErie has put together this briefing session, to give relevant segments of Dutch industry a better understanding of the interesting business opportunities for Dutch companies, given their high level of expertise in gas exploration as well as in water technology.

For DevelopErie attracting Dutch companies to the region by assisting them to develop their business related to Marcellus Shale Gas is a concept that cuts both ways. John Elliott, of DevelopErie, will present on how a regional development agency is supporting new gas industry manufacturing and midstream companies growing in Western Pennsylvania. He will also share information on a fact finding mission for Dutch companies to the region, planned in the first quarter of 2015.

To ensure a high level of information, DevelopErie has invited Lisa Nentwick of First Energy to the briefing session in Rotterdam. As a representative of the region's largest power company she will explain in detail how the company is assisting and coordinating development of new compression facilities, ethane crackers, fractionation plants, and diverse new industry in Pennsylvania, Ohio, and West Virginia. By doing so, the attendees will get a detailed view on all the industrial activity and where it is taking place.

Through an internet connection a representative of the Marcellus Center for Outreach and Research (MCOR) will present an overview of the Marcellus and Utica shale basins, recent trends in gas production, and a look forward at what's ahead in for this region. MCOR is Penn State's education and research initiative on unconventional gas plays.

The United States is now the largest natural gas producer in the world, a result of recent shale gas exploration and shale fracturing technology. Nearly 20% of American gas now comes from the Marcellus shale basin, for the largest part situated in the state of Pennsylvania, covering 55 of the 67 counties. With 14,100 bio. m3 Marcellus is the largest natural gas reservoir in North America with sufficient reserves to supply US demand for 20+ years. Starting with 60 well drilling locations in 2007 this number has now grown to well over 1,000. And as Marcellus production keeps growing, the neighboring Utica formation shows still more promise. Most gas recovered in the region today is wet gas, contributing to the recent surge in US exports of propane and other natural gas liquids. Marcellus and Utica gas production has led to tremendous new investments in upstream and midstream infrastructure, creating new opportunities for diverse businesses.