

pittsburgh

imagine what you can do here.®

NATURAL GAS

Marcellus Shale Play

- The Marcellus Shale geological formation is the largest unconventional natural gas reserve in the world:
 - An estimated \$500 billion in recoverable gas
 - 95,000 square miles or approximately 60% of Pennsylvania's (PA) land mass
 - Reserves projected at nearly 500 trillion cubic feet
- Marcellus Shale gas recovery is both possible and economically viable with new technologies including advanced horizontal drilling techniques and completion technologies
- The economic impact of the PA natural gas industry:
 - 2008: \$2.3 billion economic output, supporting 29,000+ jobs directly/indirectly
 - 2009: \$3.8 billion economic output, supporting 48,000+ jobs directly/indirectly
 - Dramatic growth predicted for more than a decade
- The Marcellus Shale prompted more than 40 companies to expand their exploration, drilling or service operations into the Pittsburgh region since 2007

- PA ranks second in the U.S. for its number of active gas-producing wells
- In the Marcellus Shale play alone, an estimated 1,000 wells will be drilled in 2010 – increasing to 2,800 per year by 2020
- Pittsburgh is the largest major metro atop the Marcellus Shale. Strengths in corporate support and headquarters make the region an ideal location for natural gas producers' regional offices

In Good Company
Companies in the Pittsburgh region already active in the Marcellus Shale include ...

▪ Atlas Energy Resources, LLC	▪ Penneco Oil Company, Inc.
▪ Cabot Oil & Gas	▪ Range Resources
▪ Chesapeake Energy Corporation	▪ Superior Energy Services
▪ CNX Gas Corporation	▪ Talisman Energy, Inc.
▪ Eog Resources, Inc.	▪ Texas Keystone, Inc.
▪ EQT Corporation	▪ Vista Resources, Inc.
▪ Halliburton Energy Services	▪ Williams Companies, Inc.
	▪ XTO Energy, Inc.

“The Pittsburgh region’s emerging leadership as a producer of natural gas is a catalyst for widespread opportunities in extraction, supply chain development and technology-based innovation. It creates jobs, encourages investment and promotes the use of a clean-burning fuel. The ample local supply of natural gas makes it more cost effective as a source of fuel and feedstock which can retain and attract industry to the region. The Marcellus Shale can have a game-changing impact on our region’s growing energy economy, advancing energy independence and enhancing a portfolio approach to meeting global energy demands.”

- Murry Gerber, Executive Chairman, EQT Corporation

Innovative Collaboration

- **Energy Alliance of Greater Pittsburgh** – an unprecedented partnership of energy companies, supply chain providers and business, academic and government researchers dedicated to making Pittsburgh the North American energy leader and providing sustainable energy solutions to the world.
- **Marcellus Shale Coalition (MSC)** – committed to the responsible development of Marcellus Shale natural gas in PA and the enhancement of the PA economy that can be realized by this clean-burning energy source.
- **Pennsylvania Independent Oil and Gas Association (PIOGA)** – represents all facets of the PA oil and gas industry, acting as a liaison with other associations, companies, government and regulatory agencies to foster communication, regulatory and policy development, workforce and training, and continued education and growth. PIOGA is committed to the economic and environmentally responsible development, production and use of PA’s oil and natural gas resources.

information provided by:

pittsburgh regional alliance

pittsburghregion.org

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