

The production of oil and natural gas from deep shale formations and other “tight” reservoirs, and the use of hydraulic fracturing, have been closely regulated and extensively studied for many years. The ongoing effort to closely monitor these activities has yielded many studies and reports, including:

## **OVERALL**

### [State of American Energy 2015](#)

*API (January 2015)*

### [Marcellus Shale Safe Drilling Initiative Study](#)

*Maryland Departments of Natural Resources and the Environment (November 2014)*

### [Setting the Record Straight: Hydraulic Fracturing and America’s Energy Revolution](#)

*U.S. Senate Committee on Environment and Public Works (October 2014)*

### [New Energy, New Geopolitics: Balancing Stability and Leverage](#)

*Center for Strategic and International Studies (September 2014)*

### [Facts on Fracking](#)

*John Locke Foundation (August 2014)*

### [The Unconventional Energy Revolution: Estimated Energy Savings for Public School Districts and State and Local Governments](#)

*IHS CERA (June 2014)*

### [Local Government Revenues And Costs Associated With Oil And Gas Development](#)

*Duke University (May 2014)*

### [America at a Crossroads: Powering a New American Century](#)

*ConservAmerica (March 2014)*

### [Energy Rush: Shale Production and U.S. National Security](#)

*Center for a New American Security (February 2014)*

### [Fueling the Future with Natural Gas: Bringing It Home](#)

*IHS (January 2014)*

### [Realizing the Potential of U.S. Unconventional Natural Gas](#)

*Center for Strategic and International Studies (February 2013)*

### [Natural Gas Liquids](#)

*Brookings Institution (March 2013)*

### [Hydraulic Fracturing Study: PXP Inglewood Oil Field](#)

*Cardno ENTRIX (October 2012)*

### [The Future of Natural Gas](#)

*Massachusetts Institute of Technology Energy Initiative (June 2011)*

### [Shale Gas Production Subcommittee Second Ninety Day Report](#)

*U.S. Secretary of Energy Advisory Board (November 2011)*

### [A Comparative Study of the Mississippian Barnett Shale, Fort Worth Basin, and Devonian Marcellus Shale, Appalachian Basin](#)

*U.S. National Energy Technology Laboratory (April 2011)*

## **MANUFACTURING/ECONOMY**

### [Shale gas: Still a boon to US manufacturing?](#)

*PriceWaterhouseCoopers (December 2014)*

### [The Economic and Budgetary Effects of Producing Oil and Natural Gas From Shale](#)

*U.S. Congress, Congressional Budget Office (December 2014)*

### [Benefits of Natural Gas Production and Exports for U.S. Small Businesses: Nationally and Key States](#)

*Small Business and Entrepreneur Council (November 2014)*

### [Impact of the Manufacturing Renaissance from Energy Intensive Sectors](#)

*IHS CERA (March 2014)*

### [North America Midstream Infrastructure through 2035: Capitalizing on Our Energy Abundance](#)

*ICF International (March 2014)*

### [Small Businesses Unleash America's Energy Employment Boom](#)

*Manhattan Institute (February 2014)*

### [How the Marcellus Shale Transformed the Domestic Natural Gas Landscape](#)

*Morningstar, Inc. (February 2014)*

### [Oil and Gas Revenue Allocation to Local Governments in Eight States](#)

*Duke University (October 2014)*

### [The Impacts of Horizontal Multi-stage Hydraulic Fracturing Technologies on Historical Oil Production, International Oil Costs, and Consumer Petroleum Product Costs](#)

*ICF International (October 2014)*

### [Supplying the Unconventional Revolution: Sizing the Unconventional Oil and Gas Supply Chain](#)

*IHS CERA (September 2014)*

### [The Economic and Fiscal Contribution of the Barnett Shale](#)

*Perryman Group (September 2014)*

### [The Economic Impact of the Permian Basin's Oil and Gas Industry](#)

*Texas Tech University (August 2014)*

### [Public-Sector Cuts Drag Down State and Local Economies](#)

*Economic Policy Institute (August 2014)*

### [Colorado Poised for Continued Growth](#)

*Leeds School of Business (July 2014)*

### [Impact Analysis of the Marcellus Shale Safe Drilling Initiative](#)

*Townson University (May 2014)*

### [The Marcellus Shale gas boom in Pennsylvania: employment and wage trends](#)

*Bureau of Labor Statistics (February 2014)*

### [Houston's Next Boom: Exporting Innovation](#)

*HSBC Group (May 2013)*

### [Marcellus Royalty Payments Rising Rapidly](#)

*Allegheny Institute for Public Policy (May 2013)*

[Shale Gas Reshaping the Us Chemicals Industry](#)  
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*Bipartisan Policy Center (May 2013)*

[Shale Gas, Competitiveness, and New US Chemical Industry Investment](#)  
*American Chemistry Council (May 2013)*

[Understanding the Marcellus Supply Chain](#)  
*University of Pittsburgh (June 2012)*

[The Benefits of Natural Gas Production and Exports for Pa. Small Businesses](#)  
*Small Business & Entrepreneurship Council (May 2013)*

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*American Enterprise Institute (April 2013)*

[The Financial Returns from Oil and Natural Gas Company Stocks Held by American College and University Endowments](#)  
*Sonecon (January 2013)*

[Low-Cost Shale Gas Gives North American Petrochemical Producers Advantages Over Europe](#)  
*Standard & Poor's (April 2013)*

[The Role of Oil and Gas and Amenities in County Economic Development](#)  
*Liberty Source (August 2013)*

[Game changers: Five opportunities for US growth and renewal](#)  
*McKinsey & Company (July 2013)*

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*General Electric Company (October 2013)*

[Energy in Pennsylvania: Past, Present, and Future](#)  
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*Penn State (May 2012)*

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*Yale University (June 2012)*

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*AGA (May 2012)*

[The Shale Shift: Exploring the impact of shale gas on the U.S. economy](#)

*TD Economics (November 2012)*

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*Craig School of Business, California State University, Fresno (August 2013)*

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*MD Petroleum Council (March 2012)*

[Drilling for Jobs – What the Marcellus Shale could mean for New York](#)

*Public Policy Institute of New York State (July 2011)*

**WATER QUALITY & USE**

[Quality and Age of Shallow Groundwater in the Bakken Formation Production Area, Williston Basin, Montana and North Dakota](#)

*U.S. Geological Survey (November 2014)*

[Comparison of Water Use for Hydraulic Fracturing for Unconventional Oil and Gas versus Conventional Oil](#)

*University of Texas (October 2014)*

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*Groundwater Protection Council (October 2014)*

[Oil And Natural Gas Exploration And Production Water Sources And Demand Study](#)

*Western Energy Alliance (July 2014)*

[Evaluation of Methane Sources in Groundwater in Northeastern Pa.](#)

*NGWA's Groundwater (June 2013)*

[Modern Shale Gas Development in the United States: A Primer](#)

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*Department of Civil and Environmental Engineering, University of Pittsburgh & the Earth and Environmental Systems Institute and Department of Geosciences, Pennsylvania State University (May 2013)*

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*University of Michigan (September 2013)*

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*Gradient (July 2013)*

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*U.S. Geological Survey (June 2013)*

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*Colorado Division of Water Resources, the Colorado Water Conservation Board, Colorado Oil and Gas Conservation Commission (January 2012)*

[The Impact of Marcellus Gas Drilling on Rural Drinking Water Supplies](#)  
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*California Department of Conservation (January 2015)*

[Methane Emissions Decline in Top Oil and Gas Basins](#)  
*Energy In Depth (based on EPA data) (December 2014)*

[Methane Emissions from Process Equipment at Natural Gas Production Sites in the United States: Liquid Unloadings](#)  
*University of Texas (December 2014)*

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*University of Colorado (November 2014)*

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[Biotic impacts of energy development from shale: research priorities and knowledge gaps](#)  
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*South Africa's Department of Environmental Affairs (February 2014)*

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*Environmental Defense Fund, UT-Austin (October 2013)*

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*ToxStrategies, Austin (September 2013)*

[Changing the Game? Emissions and Market Implications of New Natural Gas Supplies](#)  
*Stanford University (September 2013)*

[Leveraging Natural Gas to Reduce Greenhouse Gas Emissions](#)  
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*MIT (November 2012)*

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*Pennsylvania Department of Environmental Protection (November 2010)*

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## **SEISMICITY**

[Characterization of an Earthquake Sequence Triggered by Hydraulic Fracturing in Harrison County, Ohio](#)

*Instrumental Software Technologies, Inc. (October 2014)*

[Induced Seismicity and Hydraulic Fracturing for the Recovery of Hydrocarbons](#)

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*Center for Local State and Urban Policy (June 2014)*

[U.S. LNG Exports: State-Level Impacts on Energy Markets and the Economy](#)

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