



Best Practices for Residents: Pennsylvania

Ruth McDermott-Levy, PhD, MPH, RN
Associate Professor & Director, Center for
Global & Public Health, College of Nursing,
Villanova University

+ Pennsylvania is Pennsylvania

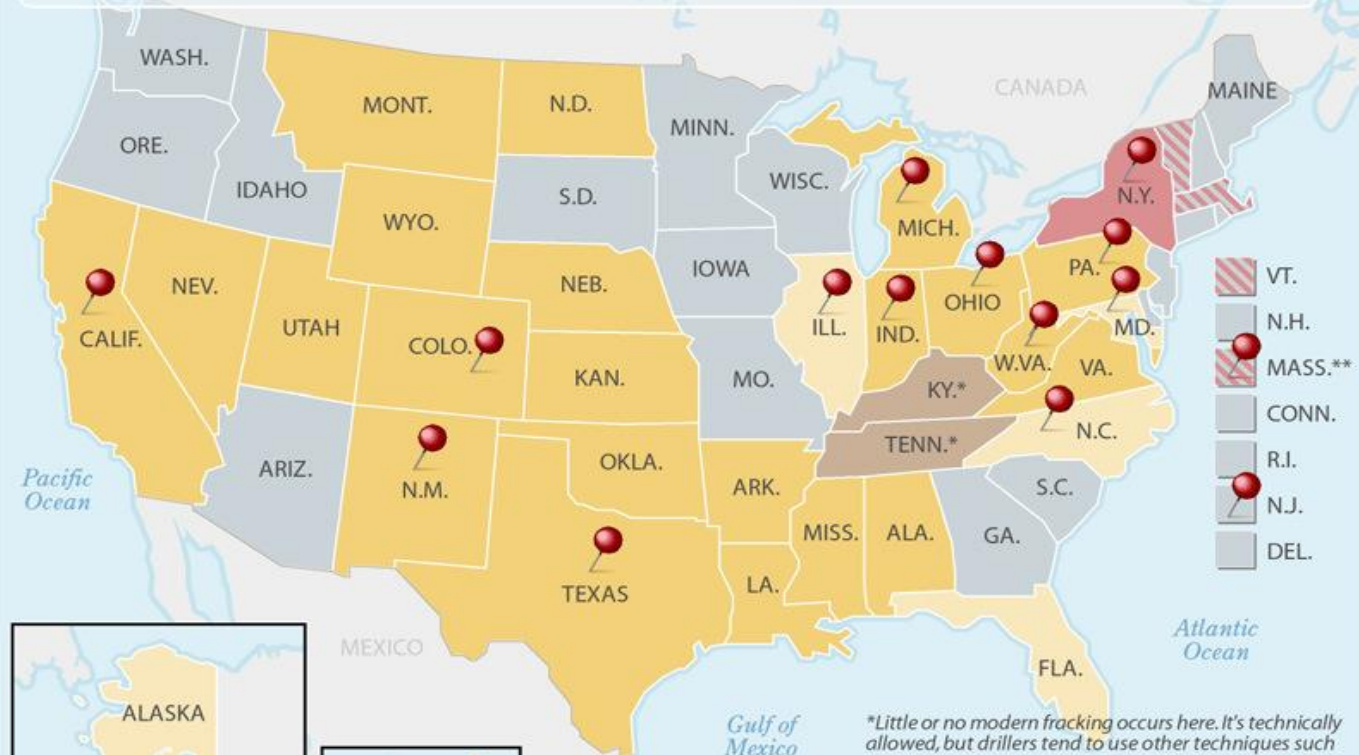
The U.S. Fracking Explosion at a Glance

This map shows just how widespread the fossil fuel extraction method known as fracking has become in the United States since it became commercially viable in the 1990s. Fracking now occurs in 22 states, and could soon begin in five more. New York is the only state with known natural gas reserves to ban fracking.

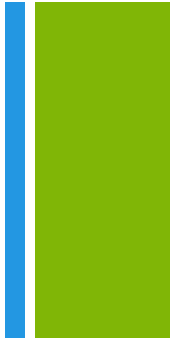
inside
climate
news

FRACKING STATUS

Active Could soon begin Banned No economically feasible reserves Other* Local bans or moratoria



+ Pennsylvania's extraction legacy



Mining coal in Pennsylvania since the 1700's.

PA was the U.S. leading coal producer - anthracite production dominated the Commonwealth's coal output for most of the nineteenth century.



+ Coal built many rural PA towns



+ Development and destruction



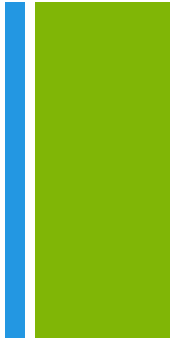
+ Environmental Legacy of PA Coal



+ Coal's Legacy on health

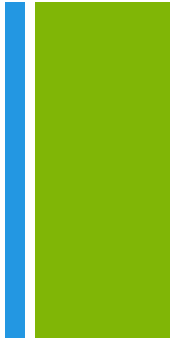


+ And then comes natural gas extraction.....



+ PA Health Professional Organizations

- PA Medical Society
- PA State Nurses Association
- Alliance of Nurses for Healthy Environments (national)
- Physicians for Social Responsibility (PRS) – Philadelphia
- Various specialty organizations (School nurses, PA Public Health Association)
- Southwest PA Environmental Health Project

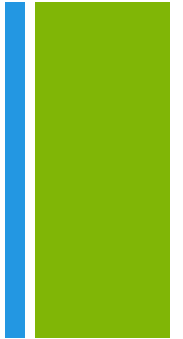


+ What's going on in Pennsylvania?

	Pennsylvania	Maryland	New York
Life expectancy (2015)	78.5 (28)	78.8 (26)	80.5 (6)
Infant mortality (2015)	6.9/1000	6.5/1000	5/1000
Mean household income (2014)	\$50,228 (23)	\$70,004 (1)	\$55,246 (17)
High School Bachelors degree (2009)	87.9% (24) 26.2% (26)	88.2% (22) 35.7% (3)	84.7% (34) 32.4% (4)



Community based participatory approach



- Engage community members
- Listen to their needs and concerns
- Help, direct, facilitate, collaborate in
 - Defining the problem
 - Steps to addressing the problem
 - Find the resources
 - Meeting the goals to the solution
- Community owns the problem, the resources, the solution and the success.



PENNSYLVANIA



Energy. Environment. Economy.

Former state health employees say they were silenced on drilling

JUNE 19, 2014 | 5:00 AM

BY **KATIE COLANERI**

Two retirees from the Pennsylvania Department of Health say its employees were silenced on the issue of Marcellus Shale drilling.

One veteran employee says she was instructed not to return phone calls from residents who expressed health concerns about natural gas development.

"We were absolutely not allowed to talk to them," said Tammi Stuck, who worked as a community health nurse in Fayette County for nearly 36 years.

Another retired employee, Marshall P. Deasy III, confirmed that.

Deasy, a former program specialist with the Bureau of Epidemiology, said the department also began requiring field staff to get permission to attend any meetings outside the department. This happened, he said, after an agency consultant made comments about drilling at a community meeting.

ABOUT STATEIMPACT PENNSYLVANIA

StateImpact Pennsylvania is a collaboration between **WITF** and **WHYY**. Reporters **Marie Cusick** and **Susan Phillips** cover the fiscal and environmental impact of Pennsylvania's booming energy economy, with a focus on Marcellus Shale drilling. Read their reports on this site, and hear them on public radio stations across Pennsylvania. This collaborative project is funded, in part, through grants from the Heinz Endowments and William Penn Foundation.

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MULTIMEDIA



INTERACTIVE: Energy, Environment & PA's Blurred Lines

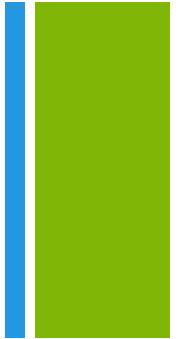
+ Organizations came together

- Alliance of Nurses for Healthy Environments
- PSR- Philadelphia
- *Penn Environment*
- Southwest Pennsylvania Environmental Health Project
- SEIU – Service Employees Union International





PA Health Professionals of a Livable Future



- A public health registry to report health impacts associated with natural gas activities in Pennsylvania.
- Training of health professionals regarding the health impacts of natural gas.
- Addressing the known public health risks: Banning open air waste pits.
- Remove the gag order from Act 13.
- Remove exemptions from key environmental laws
- Require a minimum setback of one mile for all fracking operations and associated infrastructure relative to schools, child care providers, hospitals and nursing care facilities.



Questions?

ruth.mcdermott-levy@villanova.edu