

## The Fracking Debate The Risks Benefits And Uncertainties Of The Shale Revolution Center On Global Energy Policy Series

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The Fracking Debate: The Risks, Benefits, and Uncertainties of the Shale Revolution **The Fracking Debate - CGEP Daniel Raimi: The fracking debate**

The fracking debate: Terry Engelder at TEDxPSU ~~Fracking Debate~~ What Research Says on Key Fracking Debate Issues **U.S. Fracking Debate: Environment vs. Economics**

Biden and Trump Spar Over Fracking at Final Presidential Debate

The Fracking Debate: The Pros, Cons, and Lessons Learned from the U.S. Energy Boom *Fracking explained: opportunity or danger* Biden and Trump speak on climate change, fracking *Fracking debate: 'How dare you lie on national TV?'* Trump shows video at rally of Joe Biden and Kamala Harris *Animation of Hydraulic Fracturing (fracking)* *How does fracking work? - Mia Nacamulli* *Fracking and the Environment: Myth and Reality*

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The debate over fracking ~~VP DEBATE | Mike Pence and Kamala Harris spar on climate change, fracking~~

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Kamala Harris' Big Fracking Misfire During The VP Debate

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Risks and regulation of fracking: A brief history *The Fracking Debate The Risks*

Over roughly the past decade, oil and gas production in the United States has surged dramatically—thanks largely to technological advances such as high-volume hydraulic fracturing, more commonly known as “fracking.” This rapid increase has generated widespread debate, with proponents touting economic and energy-security benefits and opponents highlighting the environmental and social risks of increased oil and gas production.

*The Fracking Debate: The Risks, Benefits, and ...*

Buy *The Fracking Debate: The Risks, Benefits, and Uncertainties of the Shale Revolution (Center on Global Energy Policy Series)* by Raimi, Daniel (ISBN: 9780231184861) from Amazon's Book Store. Everyday low prices and free delivery on eligible orders.

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*The Fracking Debate: The Risks, Benefits, and ...*

The Fracking Debate: The Risks, Benefits, and Uncertainties of the Shale Revolution By Daniel Raimi  
New York: Columbia University Press, 2018. Pp. x, 262. \$30 hardcover. The fracking debate is often framed around two themes: horror stories about the danger of fracking and stories of the glories of the American energy renaissance.

*The Fracking Debate: The Risks, Benefits, and ...*

The Fracking Debate. Book Description: Over roughly the past decade, oil and gas production in the United States has surged dramatically—thanks largely to technological advances such as high-volume hydraulic fracturing, more commonly known as "fracking." This rapid increase has generated widespread debate, with proponents touting economic and energy-security benefits and opponents highlighting the environmental and social risks of increased oil and gas production.

*The Fracking Debate: The Risks, Benefits, and ...*

This is the context that the debate about fracking needs to happen, yet rarely does – at least perhaps until now. Finally, however, the crucible of the 2020 election has brought fracking in all ...

*Fracking Finally Gets The Attention It Deserves*

THE FRACKING DEBATE. Over roughly the past decade, oil and gas production in the United States has surged dramatically—thanks largely to technological advances such as precise horizontal drilling and high-volume hydraulic fracturing, more commonly known as “fracking.”. This rapid expansion has generated widespread debate, with proponents touting economic and energy security benefits, and opponents highlighting the environmental and social risks of increased oil and gas production.

*What Is Fracking | The Fracking Debate | Daniel Raimi*

The National Debate With some communities banning fracking and others embracing it, tensions between its costs and benefits have turned a local issue into a national debate. Some, including former presidential candidate Bernie Sanders, have called for a nationwide ban on fracking.

*The Fracking Debate: The Pros, Cons, and Lessons Learned ...*

Health risks do not appear as extensive as claimed by anti-fracking groups although there are no systematic studies. Besides methane leakage, accidents have caused spills and VOCs flow-back can produce toxic air. Oil and gas service is a hazardous occupation with or without fracking.

*The Fracking Debate: The Risks, Benefits, and ...*

The Fracking Debate: The Risks, Benefits, and Uncertainties of the Shale Revolution: Raimi, Daniel:  
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*The Fracking Debate: The Risks, Benefits, and ...*

Fracking advocates have argued the technology is good for global warming because, at least in the US, gas has been displacing coal in the power mix. But that coal is usually still burned elsewhere...

*Fracking – the reality, the risks and what the future holds ...*

By “announcing that fracking and nuclear energy are crucial to fighting climate change.” That fits with corporate media’s approach to fracking—which, as Joshua Cho noted for FAIR.org, prioritizes the supposed “risks” to the electoral prospects of Democrats who call for banning it over the prospects for human civilization’s survival.

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*Mitch Jones on Fracking's Hazards, Matt Sutton on Drug War ...*

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*The Fracking Debate | Columbia University Press*

Daniel Raimi: That’s right. And, one of the reason the book is called *The Fracking Debate* is because the debate is often – it takes place around this word fracking, but the subtitle of the book is the risk benefits and uncertainties of the shale revolution and the shale revolution is really the broader encompassing.

*The Many Sides of the Fracking Debate - SIPA Center on ...*

“For instance, one of the proposed fracking sites in Rother Valley is very close to a residential home, causing much distress to its residents due to the noise and pollution potential.” The...

*'No future' for fracking, minister confirms, as MP insists ...*

*The Fracking Debate: The Risks, Benefits, and Uncertainties of the Shale Revolution: Raimi, Daniel: Amazon.sg: Books*

*The Fracking Debate: The Risks, Benefits, and ...*

In last week’s vice presidential debate between Sen. Kamala Harris and Vice President Mike Pence, Harris reiterated Democratic nominee Joe Biden’s rejection of a fracking ban, despite her earlier call for one when she was a presidential candidate (CBS News, 10/7/20): “I will repeat, and the American people know, that Joe Biden will not ban fracking.

*Press Worries About a Fracking Ban's 'Risk' to Democrats ...*

*The Fracking Debate: The Risks, Benefits, and Uncertainties of the Shale Revolution by Daniel Raimi (Hardback) Be the first to write a review.*

*The Fracking Debate: The Risks, Benefits, and ...*

Biden was asked during Thursday's debate with President Donald Trump in Tennessee if there would be “any place for fossil fuels, including coal and fracking, in a Biden administration.” The ...

Over roughly the past decade, oil and gas production in the United States has surged dramatically—thanks largely to technological advances such as high-volume hydraulic fracturing, more commonly known as “fracking.” This rapid increase has generated widespread debate, with proponents touting economic and energy-security benefits and opponents highlighting the environmental and social risks of increased oil and gas production. Despite the heated debate, neither side has a monopoly on the facts. In this book, Daniel Raimi gives a balanced and accessible view of oil and gas development, clearly and thoroughly explaining the key issues surrounding the shale revolution. *The Fracking Debate* directly addresses the most common questions and concerns associated with fracking: What is fracking? Does fracking pollute the water supply? Will fracking make the United States energy independent? Does fracking cause earthquakes? How is fracking regulated? Is fracking good for the economy? Coupling a deep understanding of the scholarly research with lessons from his travels to every major U.S. oil- and gas-producing region, Raimi highlights stories of the people and communities affected by the shale revolution, for better and for worse. *The Fracking Debate* provides the evidence and context that have so

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frequently been missing from the national discussion of the future of oil and gas production, offering readers the tools to make sense of this critical issue.

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From the front lines of the fracking debate, a “field philosopher” explores one of our most divisive technologies. When philosophy professor Adam Briggie moved to Denton, Texas, he had never heard of fracking. Only five years later he would successfully lead a citizens' initiative to ban hydraulic fracturing in Denton—the first Texas town to challenge the oil and gas industry. On his journey to learn about fracking and its effects, he leaped from the ivory tower into the fray. In beautifully narrated chapters, Briggie brings us to town hall debates and neighborhood meetings where citizens wrestle with issues few fully understand. Is fracking safe? How does it affect the local economy? Why are bakeries prohibited in neighborhoods while gas wells are permitted next to playgrounds? In his quest for answers Briggie meets people like Cathy McMullen. Her neighbors' cows asphyxiated after drinking fracking fluids, and her orchard was razed to make way for a pipeline. Cathy did not consent to drilling, but those who profited lived far out of harm's way. Briggie's first instinct was to think about fracking—deeply. Drawing on philosophers from Socrates to Kant, but also on conversations with engineers, legislators, and industry representatives, he develops a simple theory to evaluate fracking: we should give those at risk to harm a stake in the decisions we make, and we should monitor for and correct any problems that arise. Finding this regulatory process short-circuited, with government and industry alike turning a blind eye to symptoms like earthquakes and nosebleeds, Briggie decides to take action. Though our field philosopher is initially out of his element—joining fierce activists like "Texas Sharon," once called the "worst enemy" of the oil and gas industry—his story culminates in an underdog victory for Denton, now nationally recognized as a beacon for citizens' rights at the epicenter of the fracking revolution.

Natural gas in deep shale formations, which can be developed by hydraulic fracturing and associated technologies (often collectively referred to as "fracking") is dramatically increasing production of natural gas in the United States, where significant gas deposits exist in formations that underlie many states. Major deposits of shale gas exist in many other countries as well. Proponents of shale gas development point to several kinds of benefits, for instance, to local economies and to national "energy independence". Shale gas development has also brought increasing expression of concerns about risks, including to human health, environmental quality, non-energy economic activities in shale regions, and community cohesion. Some of these potential risks are beginning to receive careful evaluation; others are not. Although the risks have not yet been fully characterized or all of them carefully analyzed, governments at all levels are making policy decisions, some of them hard to reverse, about shale gas development and/or how to manage the risks. *Risks and Risk Governance in Shale Gas Development* is the summary of two workshops convened in May and August 2013 by the National Research Council's Board on Environmental Change and Society to consider and assess claims about the levels and types of risk posed by shale gas development and about the adequacy of existing governance procedures. Participants from engineering, natural, and social scientific communities examined the range of risks and of social and decision-making issues in risk characterization and governance related to gas shale development. Central themes included risk governance in the context of (a) risks that emerge as shale gas development expands, and (b) incomplete or declining regulatory capacity in an era of budgetary stringency. This report summarizes the presentations on risk issues raised in the first workshop, the risk

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management and governance concepts presented at the second workshop, and the discussions at both workshops.

Environmental and Health Issues in Unconventional Oil and Gas Development offers a series of authoritative perspectives from varied viewpoints on key issues relevant in the use of directional drilling and hydraulic fracturing, providing a timely presentation of requisite information on the implications of these technologies for those connected to unconventional oil and shale gas development. Utilizing expertise from a range of contributors in academia, non-governmental organizations, and the oil and gas industry, Environmental and Health Issues in Unconventional Oil and Gas Development is an essential resource for academics and professionals in the oil and gas, environmental, and health and safety industries as well as for policy makers. Offers a multi-disciplinary appreciation of the environmental and health issues related to unconventional oil and shale gas development Serves as a collective resource for academics and professionals in the oil and gas, environmental, health, and safety industries, as well as environmental scientists and policymakers Features a diverse and expert group of chapter authors from academia, non-governmental organizations, governmental agencies, and the oil and gas industry

The US shale boom and efforts by other countries to exploit their shale resources could reshape energy and environmental landscapes across the world. But how might those landscapes change? Will countries with significant physical reserves try to exploit them? Will they protect or harm local communities and the global climate? Will the benefits be shared or retained by powerful interests? And how will these decisions be made? The Shale Dilemma brings together experts working at the forefront of shale gas issues on four continents to explain how countries reach their decisions on shale development. Using a common analytical framework, the authors identify both local factors and transnational patterns in the decision-making process. Eight case studies reveal the trade-offs each country makes as it decides whether to pursue, delay, or block development. Those outcomes in turn reflect the nature of a country's political process and the power of interest groups on both sides of the issue. The contributors also ask whether the economic arguments made by the shale industry and its government supporters have overshadowed the concerns of local communities for information on the effects of shale operations, and for tax policies and regulations to ensure broad-based economic development and environmental protection. As an informative and even-handed account, The Shale Dilemma recommends practical steps to help countries reach better, more transparent, and more far-sighted decisions.

Shale Gas and Fracking: The Science Behind the Controversy explains the relevant geological principles before examining the peer-reviewed evidence and presenting it through a simple and compelling illustrated narrative. Each chapter focuses on a particular controversy, such contamination of well water with gas from fracking, and follows a similar format: starting with the principles; then detailing peer-reviewed case studies for earthquakes, radioactivity, and climate change; and concluding with a judgment of the general risks involved. Shale Gas and Fracking: The Science Behind the Controversy provides readers with the unbiased information they need to make informed decisions on the controversial issue of fracking. Presents a clear and unbiased view of the pros and cons of fracking in Europe and the US, through a simple and compelling narrative from an informed publicly-funded scientist Includes full-colour diagrams, photographs, and maps to present information clearly and simply Focuses on peer-reviewed, documented examples, particularly of earthquakes and groundwater contamination due to fracking

Across the country, fracking -- the extraction of natural gas by hydraulic fracturing -- is being touted as the nation's answer to energy independence and a fix for a flagging economy. Drilling companies assure us that the process is safe, politicians push through drilling legislation without a serious public-health debate, and those who speak out are marginalized, their silence purchased by gas companies and their warnings about the dangers of fracking stifled. The Real Cost of Fracking pulls back the curtain on how

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this toxic process endangers the environment and harms people, pets, and livestock. Michelle Bamberger, a veterinarian, and Robert Oswald, a pharmacologist, combine their expertise to show how contamination at drilling sites translates into ill health and heartbreak for families and their animals. By giving voice to the people at ground zero of the fracking debate, the authors illustrate the consequences of fracking and issue an urgent warning to all of us: fracking poses a dire threat to the air we breathe, the water we drink, and even our food supply. Bamberger and Oswald reveal the harrowing experiences of small farmers who have lost their animals, their livelihoods, and their peace of mind, and of rural families whose property values have plummeted as their towns have been invaded by drillers. At the same time, these stories give us hope, as people band together to help one another and courageously fight to reclaim their communities. The debate over fracking speaks to a core dilemma of contemporary life: we require energy to live with modern conveniences, but what degree of environmental degradation, health risks, and threats to our food supply are we willing to accept to obtain that energy?

Climate change affects virtually every aspect of the U.S. energy system. As climatic effects such as rising seas and extreme weather continue to appear across many geographies, U.S. energy infrastructure is increasingly at risk. The U.S. Gulf Coast--which is home to 44 percent of total U.S. oil refining capacity and several major ports--is highly vulnerable to flooding events and dangerous ocean surges during severe storms and hurricanes. The link between water availability and energy and electricity production creates another layer of risk to U.S. energy security. Climate risk could manifest not only in physical damages, but also in financial market failures. Climate change-related challenges could impede energy firms' access to capital markets or private insurance markets. Already, climate-related risks have created severe financial problems at a handful of U.S. energy firms, forcing them to interrupt their sales of energy to consumers in particular locations. Over time, climatic disruptions to domestic energy supply could entail huge economic losses and potentially require sizable domestic military mobilizations. The United States is ill prepared for this national security challenge, and public debate about emergency preparedness is virtually nonexistent. To explore the challenges of climate risk to the U.S. energy system and national security, the Council on Foreign Relations organized a two-day workshop in New York, on March 18 and 19, 2019. The gathering of fifty participants included current and former state and federal government officials and regulators, entrepreneurs, scientists, investors, financial- and corporate-sector leaders, credit agencies, insurers, nongovernmental organizations, and energy policy experts. During their deliberations, workshop participants explored how climate-related risks to U.S. energy infrastructure, financial markets, and national security could be measured, managed, and mitigated. *Impact of Climate Risk on the Energy System* summarizes the insights from this workshop and includes contributions from seven expert authors delving into related topics.

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