



Secretary of Energy Advisory Board FracFocus Task Force Meeting

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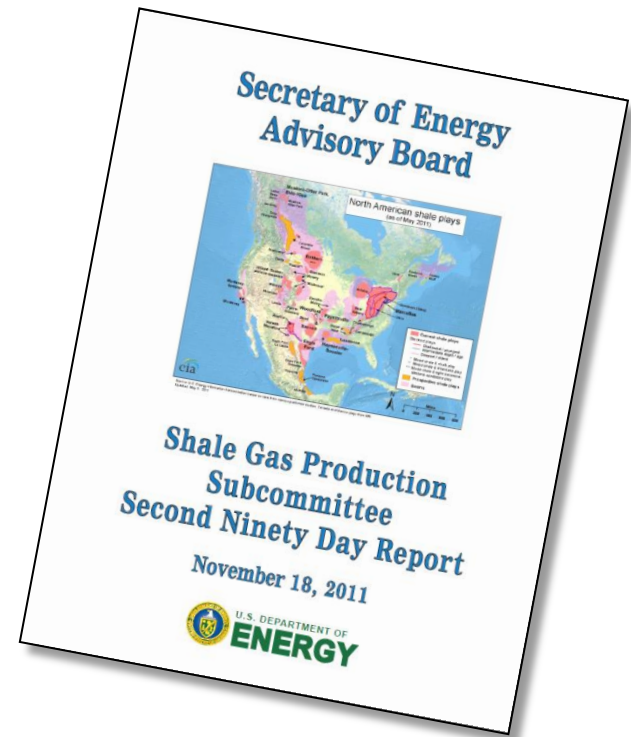
Realizing Promise Hinges on Responsible Action

Realizing the potential of abundant oil and natural gas resources to enhance the nation's energy, economic and environmental security will hinge on safe and responsible development

- ***SEAB Shale Gas Production Report 2011***
- ***National Petroleum Council Prudent Development Report 2011***
- ***President's Energy Blueprint 2013***
- ***IEA Golden Rules for a Golden Age of Gas Report 2012***

SEAB 2011 Recommendations:

- Progress: ***National***
Ten recommendations ready for implementation
- Progress: ***States***
Four recommendations ready for implementation
- Progress: ***New Initiatives***
Six recommendations require new partnerships and mechanisms



Progress: National

Public information on shale operations continues to improve

- The Energy Information Administration has worked to make more shale-related information available to the public
- DOE continues to support the Ground Water Protection Council's ***Risk Based Data Management System (RBDMS)***
- ***STRONGER*** is expanding the guidelines used for multi-stakeholder reviews of state oil and gas regulatory programs, and continuing the review process
 - Comprehensive review of Pennsylvania's program (2013)



Progress: National

Actions on many fronts targeted to reduce methane emissions

- ***President's 2013 Climate Action Plan*** calls for a comprehensive Interagency Methane Strategy
 - Energy, EPA,, Interior, Labor, Agriculture, and Transportation
- EPA NSPS for Hydraulic Fracturing will require “green completion” technology by 2015
- DOE’s Oil and Natural Gas Research Program includes projects targeted to assess and reduce methane emissions
- DOE National Energy Technology Lab leads an inter-lab working group to share expertise on lifecycle emissions analysis, methane is a focus
- EDF, in cooperation with industry, academia and others, is leading studies to better define methane emissions along the natural gas value chain



Progress: State Action

Regulators and industry are focused on improved performance

- ***States First Initiative***, a new venture of the GWPC and IOGCC, provides a platform to foster the sharing of best practices among states and continuous improvement in state oil and gas regulatory programs
- State regulators are expanding oversight capabilities and regulations to address the challenges posed by development of shale gas and oil resources
 - Hiring additional staff
 - Adopting new rules on topics such as hydraulic fracturing, well construction and integrity, water-sampling, chemical disclosure
- Numerous stakeholder organizations have developed standards, best practices, or model regulatory frameworks addressing shale gas operations
 - EDF, American Petroleum Institute, Marcellus Shale Coalition

Progress: New Partnerships

Industry and other stakeholders are organizing for success

- Industry-led regional ***Centers of Excellence*** are emerging, and many companies engaged in shale development have adopted environmental performance standards
- Academic institutions have expanded research and public outreach
- In 2012 , DOE DOI & EPA entered into a Memorandum of Agreement which led to the development of a draft ***Federal Multiagency Strategy for Unconventional Oil and Gas Research***
- The ***Mitchell Foundation and the Aspen Institute*** Energy & Environment Program along with industry and academia are in process of a reviewing ***Texas*** regulation and policy governing natural production, with emphasis on completion shale gas and oil review air, water and well bore integrity

FracFocus Progress



25 states now mandate public disclosure of the chemicals used in hydraulic fracturing

15 currently use FracFocus as a reporting tool for industry to make such disclosures

Other states are considering a similar path for mandatory disclosure



FracFocus updates implemented in June 2013 have improved functionality



As of December 2013, over 60,000 public entries have been made by industry



What FracFocus is ... and is not

is...

A public “filing cabinet” of information on fluids injected into hydraulically fractured wells

A tool for regulatory reporting

Evolving in terms of its utility and functionality

is not...

A replacement for state regulatory functions

A comprehensive data system for states to oversee oil and gas development

Designed to address all public concerns about the safety of fracturing fluids

