Energy Forecasting: Shale Gas

LIVE Wednesday, July 12, 2017, 2:00pm-3:00pm EDT

Developed by: AIChE

Type: Live Webinar

Level: Basic

Duration: 1 hour

PDHs: 1.00

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Is uncertainty about shale gas and future U.S. natural gas production complicating your planning? Hear two analysts give their take.

The abundance of shale gas resources has transformed the U.S. energy market and is creating new opportunities for industry, electricity generation and exports. Yet uncertainty surrounding prices, technology and other areas is complicating long-term planning projections. In 60 minutes, the U.S. Energy Administration's John Staub will bring you up to date on the growth of dry natural gas from shale formations and how it contributes over 60 percent of the total U.S. natural gas production in 2017

—up from only 10 percent in 2007. You'll learn how the abundance of natural gas is creating new opportunities for industry, electricity generation and exports. You'll also explore the methodology for answering questions related to the uncertainty surrounding the resource size and the distribution of production costs. Research scientist Svetlana Ikonnikova will focus on the role of technology, geology, and uncertainty. You'll learn how an accurate forecast of future production requires an understanding of per well recovery and its change over time in different geologic conditions and the role of resource economics in the resource development. How does economics and experience help in an understanding of technology-related changes in per–well productivity? What is the role played by the improved geologic reservoir characterization? How does the production outlook for the shale gas future look under various energy prices scenarios? Get the answers here.

Take a look at your agenda:

- How shale gas is changing the energy landscape and the implications
- 2 issues you must understand to forecast future production
- How energy prices impact the production outlook for the shale gas future
- The methodology being used for long-term planning

Presenter(s):

Svetlana Ikkonikova

Dr. Svetlana Ikonnikova is a Research Scientist and Senior Energy Economist in the Bureau of Economic Geology at The University of Texas at Austin. She received B.Sc. and M.S. degrees in applied mathematics and physics, a Ph.D. in economics and management science, with postdoctoral study focus on energy and environmental regulation.

Over fifteen years, she has been conducting research on energy markets and industry developments, studying electric power industry, renewable energy sustainability, natural gas and oil supply capabilities in the U.S., EU, and FSU.

She is a... Read more

John Staub

John Staub is the Director of the Office of Petroleum, Natural Gas and Biofuels Analysis at the U.S. Energy Information Administration. John leads analysis and modeling of domestic and international petroleum and natural gas resources, production, refining, and logistics for both short and long-term outlooks. His office produces outlooks for a range of issues including: long-term oil prices, LNG exports, shale gas, tight oil, biofuels and technology change.

He previously worked in the U.S. Department of Energy's Office of Policy and International Affairs and has served detail... Read more

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