



WEST VIRGINIA

West Virginia has a long and proud history of providing its vast natural resources to the rest of the country. From timber to its current status as one of the nation's largest coal producers, West Virginia continues to help fuel the American economy. Now, shale formations located throughout much of the state are providing an important opportunity to build on West Virginia's integral role as a leading energy producing state.

For years, our nation lacked the technology to economically recover these valuable energy resources trapped in shale, but thanks to American innovation we now have an efficient, clean and safe way to produce it. By combining hydraulic fracturing and horizontal drilling, oil and natural gas production from shale is now a reality that is **improving West Virginia's economy and changing our nation's energy future.**

Shale has the potential to be a significant contributor to the economic health of West Virginia for decades to come.

BY 2020 SHALE ENERGY EXTRACTION IN WEST VIRGINIA IS EXPECTED TO SUPPORT:



JOBS
29,656



STATE & LOCAL GOVERNMENT REVENUE
\$884 Million*



ECONOMIC GROWTH
\$4.5 Billion*



LABOR INCOME
\$2.1 Billion*

Based on analysis published by IHS in America's New Energy Future: The Unconventional Oil and Gas Revolution and the US Economy, Volume II. This study quantifies economic benefits derived solely from extraction, or "upstream," activities. Subsequent analysis will include all activities including consumption or "downstream."

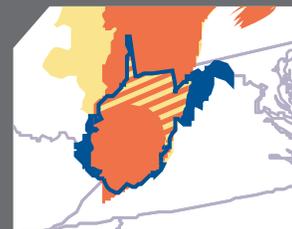
*annually

DID YOU KNOW?

SHALE ENERGY IN WEST VIRGINIA

Marcellus
Intermediate
depth/age

Utica
Deepest/
oldest



- ▲ Through 2012, shale energy development in West Virginia already supported **nearly 12,000 jobs** just in industries related to extraction and generated **more than \$280 million** in state and local government revenue.
- ▲ In 2012 alone, shale energy development added **\$1.6 billion** to West Virginia's gross state product and **\$794 million** of labor income in the state.
- ▲ Shale energy development is paying dividends for those earning graduate degrees in geology or geophysics from West Virginia University. The number of students earning advanced degrees has jumped significantly with the increased development of the Marcellus and Utica shale fields, and currently, the employment rate for those graduating from the program is 100 percent.
- ▲ New tax revenues from shale energy production are benefiting communities across West Virginia by allowing the state and localities to invest in critical needs such as schools and public safety.



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