

# COLORADO

Colorado has a long and diverse history of energy production, from oil wells drilled before its statehood to today's wind, coal, geothermal and refined energy products. The Centennial State also has a proud history of energy innovation, with one of the world's first high temperature nuclear reactors and the National Renewable Energy Laboratory. Colorado is now entering the next chapter of its history with shale energy development.

The state sits on several geologic formations, including the Niobrara, Piceance, and San Juan, that contain tremendous oil and natural gas resources. But without a technological means to recover them economically, these valuable energy resources remained untapped for decades.

However, advancements spurred by American innovation have now made it possible to produce shale oil and natural gas safely and efficiently. By combining horizontal drilling and hydraulic fracturing techniques, we now have an energy source at our fingertips with the potential to transform Colorado's economy and the future of energy in the U.S.

## BY 2020 SHALE ENERGY EXTRACTION IN COLORADO IS EXPECTED TO SUPPORT

 JOBS  
**121,398**

 STATE & LOCAL GOVERNMENT REVENUE  
**\$2.4 Billion\***

 ECONOMIC GROWTH  
**\$17.6 Billion\***

 LABOR INCOME  
**\$9.1 Billion\***

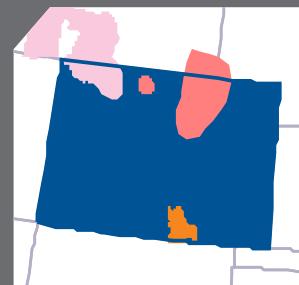
Based on analysis published by IHS in *America's New Energy Future: The Unconventional Oil and Gas Revolution and the US Economy, Volume II*. This study quantifies economic benefits derived solely from extraction, or "upstream," activities. Subsequent analysis will include all activities including consumption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

\*annually

## DID YOU KNOW?

### SHALE ENERGY IN COLORADO

Hillard-Baxter-Mancos-Niobrara  
Niobrara  
Pierre-Niobrara



- ▲ Through 2012, shale energy development in Colorado already supported **nearly 78,000 jobs** just in industries related to extraction and generated **more than \$1.4 billion** in state and local government revenue.
- ▲ In 2012 alone, shale energy development added **\$11.6 billion** to Colorado's gross state product and **\$5.9 billion** of labor income in the state.
- ▲ CO contains nearly 10% of total US natural gas reserves.
- ▲ Natural carbon dioxide produced in CO is shipped via pipeline to TX and UT in the Enhanced Oil Recovery process to extract additional oil mature oil fields.
- ▲ In 2011 Coloradans paid 22% less for residential natural gas than the national average and in 2012 paid 6% less for electricity.



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